

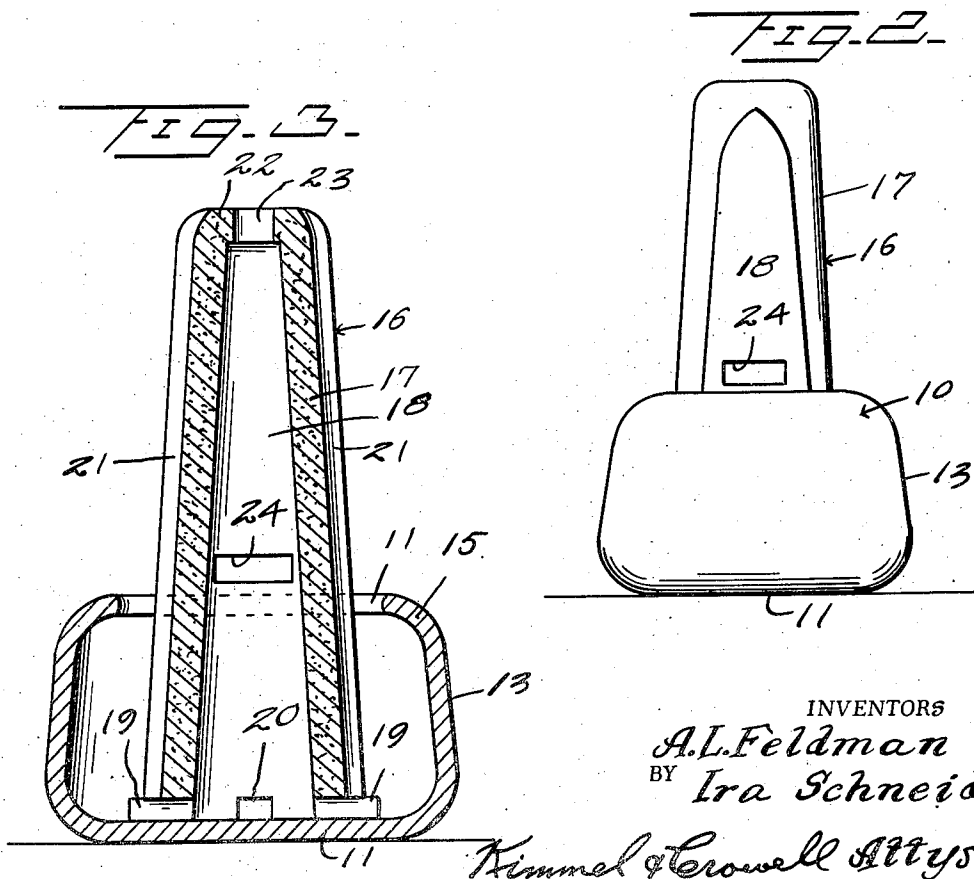
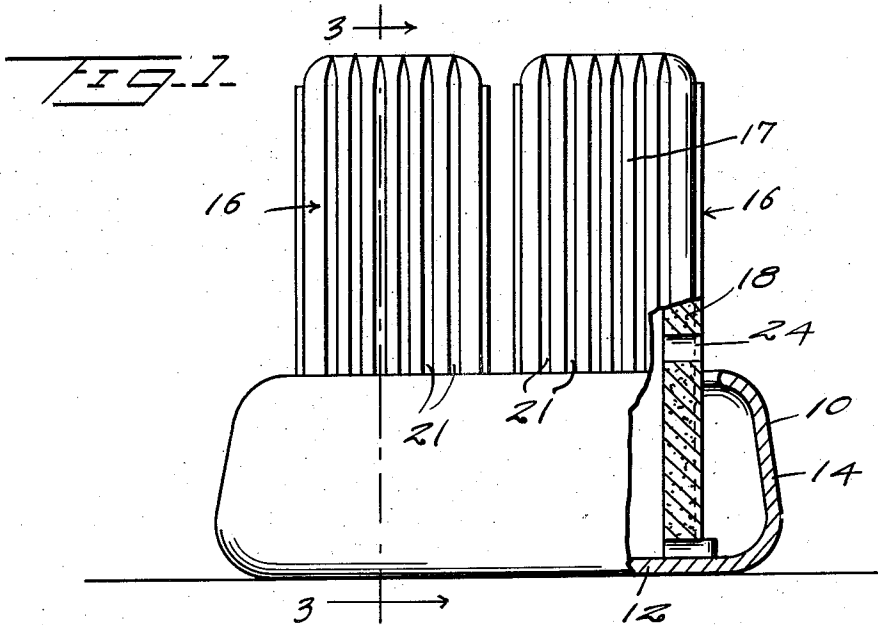
June 12, 1951

A. L. FELDMAN ET AL.

2,556,910

ROOM HUMIDIFIER

Filed Nov. 25, 1949



INVENTORS

A.L. Feldman
BY Ira Schneid

Kimmel & Crowell Attys.

UNITED STATES PATENT OFFICE

2,556,910

ROOM HUMIDIFIER

Abrom L. Feldman and Ira Schneid, Atlanta, Ga.,
assignors to Puritan Sales Company, Atlanta,
Ga.

Application November 25, 1949, Serial No. 129,389

1 Claim. (Cl. 299—20)

1

This invention relates to room humidifiers.

An object of this invention is to provide a humidifier for mounting in a convenient location in a room so that humidity of the room may be maintained.

Another object of this invention is to provide a room humidifier which embodies a receptacle for holding water and one or more clay bodies seated in the receptacle, and projecting thereabove, the clay bodies being kept moist by capillary attraction and the moisture evaporating in the air.

A further object of this invention is to provide clay or moisture absorbing bodies adapted to be mounted in a receptacle, the bodies being hollow and formed with fluted or grooved outer surfaces for increasing the surface contact with air so as to increase the evaporation of moisture.

With the above and other objects in view, our invention consists in the arrangement, combination and details of construction disclosed in the drawings and specification, and then more particularly pointed out in the appended claim.

In the drawing,

Figure 1 is a detail side elevation, partly broken away and in section, of a humidifier constructed according to an embodiment of this invention,

Figure 2 is an end elevation of the device,

Figure 3 is a sectional view taken on the line 3—3 of Figure 1.

Referring to the drawing, the numeral 10 designates generally a receptacle which is adapted to hold water and is formed with an open upper portion 11. The receptacle 10 includes a bottom wall 12, opposite side walls 13, and opposite end walls 14. The side and end walls are curved inwardly, as indicated at 15, and as shown in Figures 1 and 3, the side and end walls are disposed in upwardly convergent relation.

A moisture absorbing and conducting or evaporating member generally designated as 16 is disposed within the receptacle 10 and projects for a substantial distance above the top of the receptacle. The moisture absorbing member 16 is formed of a pair of upwardly convergent side walls 17 and opposite vertically disposed end walls 18. A base flange 19 is formed at the lower end of the absorbing member 16, and preferably a plurality of openings or slots 20 are formed in the lower end of the absorbing member 16 so that water within the receptacle 10 may freely enter the interior of the open lower end of the absorbing member 16.

The absorbing member 16 is preferably formed of clay or the like, which under capillary attraction will be moist throughout the projecting portion thereof which is disposed above the receptacle 10.

In order to provide increased air contacting surface on the outer sides 17 of the absorbing member 16, the outer sides 17 are formed with

2

vertically disposed channels or flutings 21. The top wall 22 of the absorbing member 16 is formed with an opening 23 and the end walls 18 are also formed with openings 24 which are disposed slightly above the top of the receptacle 10. The provision of the openings 23 and 24 assures the contact of air with the inner and outer surfaces of the absorbing member 16 so that the moisture carried by the member 16 will readily evaporate into the air.

In the use of this device, the receptacle 10 is herein shown as being of a length sufficient to hold two of the absorbing and moisture evaporating members 16. When water is placed in the receptacle 10, the absorbing members 16 will be moist throughout the projecting portions thereof above the receptacle 10 so that the moisture will readily evaporate into the air and by providing the openings 23 and 24, the air can freely circulate within the interior of each absorbing member 16.

The receptacle 10 may be formed out of any suitable material which is of waterproof construction and in order to make the device somewhat attractive, ivy or the like may be placed within the receptacle 10 on opposite sides of the absorbing member 16.

We do not mean to confine ourselves to the exact details of construction herein disclosed, but claim all variations falling within the purview of the appended claim.

What we claim is:

A room humidifier comprising a receptacle adapted to hold water, and a hollow water absorbing member disposed in said receptacle and projecting thereabove, said member being formed of upwardly convergent fluted side walls, a top wall and opposite end walls, and a plurality of apertures formed in said walls disposed above said receptacle for conducting air upwardly into and out of said member.

ABROM L. FELDMAN.
IRA SCHNEID.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
235,960	Praetorius	Dec. 28, 1880
527,291	Robinson	Oct. 9, 1894
1,469,104	Ornduff	Sept. 25, 1923
1,816,415	Widell	July 28, 1931
2,522,581	Mohen	Sept. 19, 1950

FOREIGN PATENTS

Number	Country	Date
286,862	Great Britain	Mar. 15, 1928