

Oct. 27, 1936.

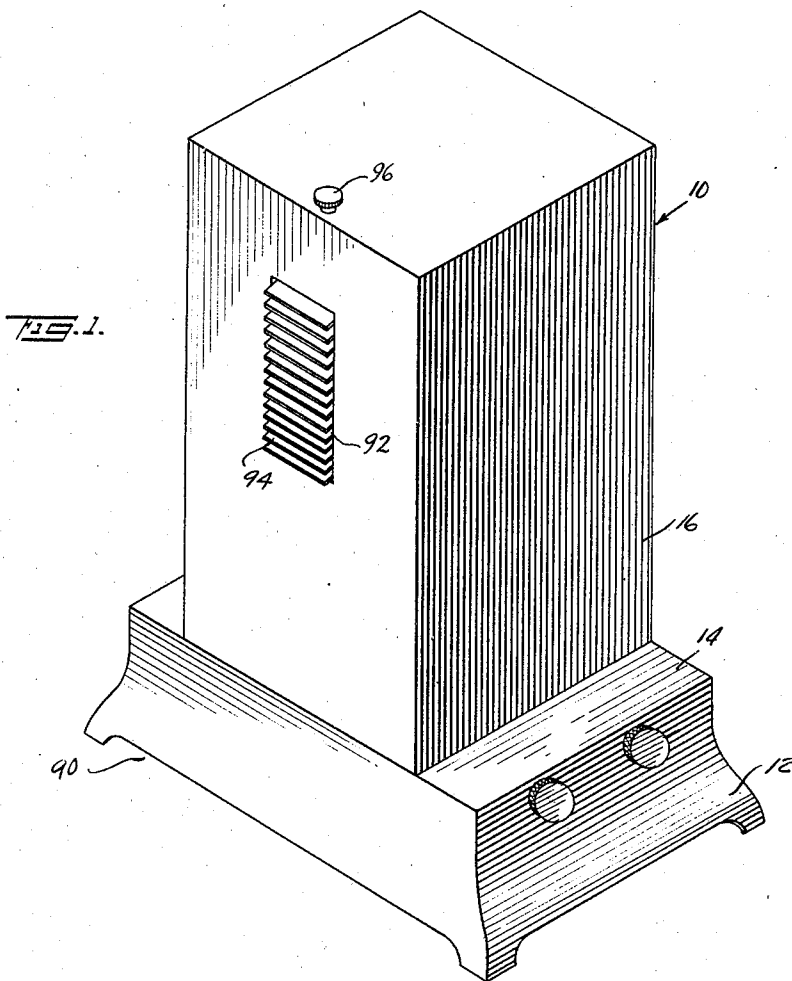
H. ROSENFELD

2,058,723

VAPORIZING APPARATUS

Original Filed Oct. 19, 1929

2 Sheets-Sheet 1



INVENTOR

Hyman Rosenfeld

BY

Dyke, Holden & Schaines
ATTORNEYS

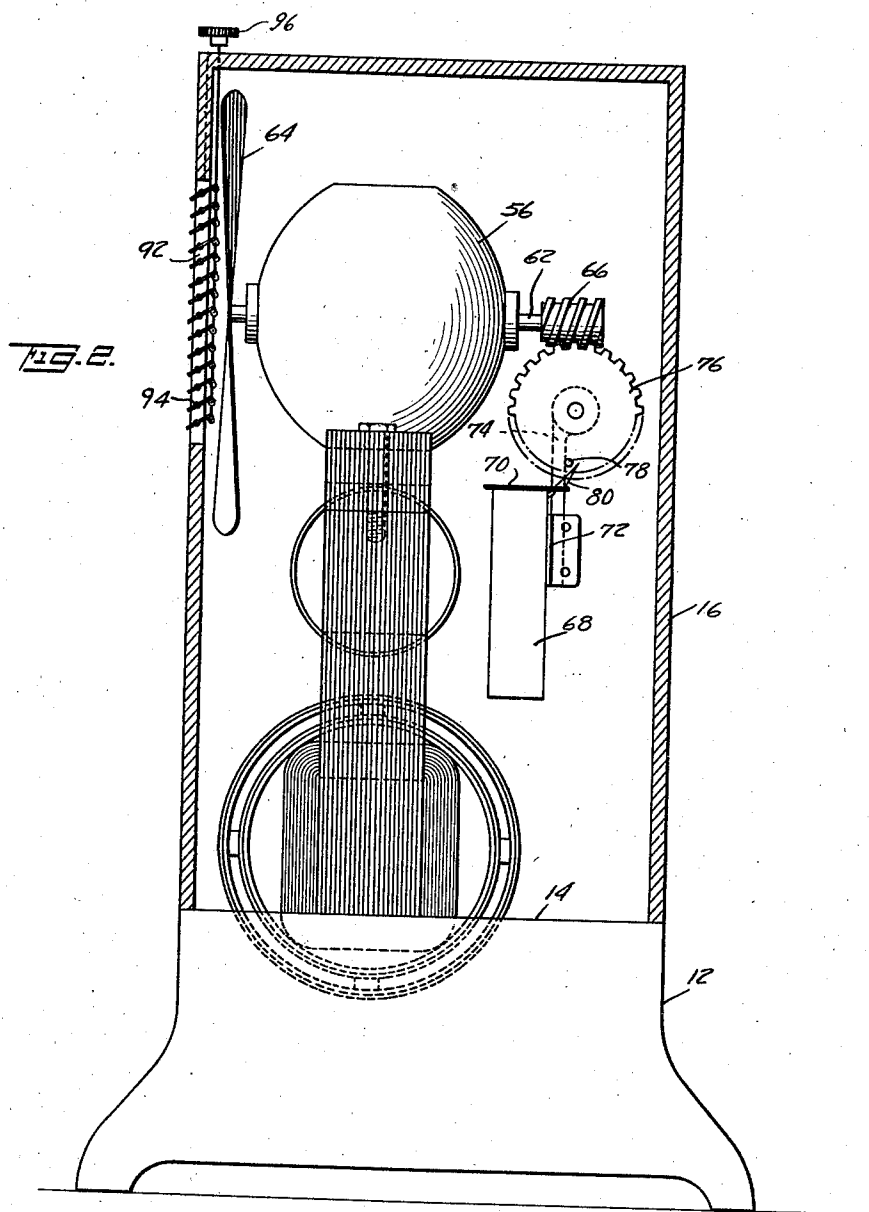
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UNITED STATES PATENT OFFICE

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VAPORIZING APPARATUS

Hyman Rosenfeld, New York, N. Y., assignor to
Samuel Liberman, Brooklyn, N. Y.

Application October 19, 1929, Serial No. 400,980
Renewed March 23, 1935

2 Claims. (Cl. 21-18)

My invention relates to vaporizing apparatus and the same has for its object to provide a simple, reliable and efficient apparatus which is suitable for use in dwellings, offices, factories and the like for purifying air, water, etc.

Another object of my invention is the provision of apparatus of the character specified which includes means for alleviating or reducing noxious odors.

10 In the accompanying drawings:

Figure 1 is a perspective of one form of apparatus constructed according to and embodying my said invention; and

15 Fig. 2 is a side elevation thereof with the casing in section.

Referring to the drawings, the casing 10 includes a recessed or hollow base portion 12 having ledges 14 at opposite sides on which rests a removable top portion or closure 16.

20 An electric motor 56 is provided and is secured within casing 10. The motor 56 has a shaft 62 with a fan 64 at one end thereof and a worm 66 at the other end thereof.

A receptacle 68 having a pivoted cover or closure 70 is carried by a suitable bracket 72 secured to the casing 16 below the worm 66. The bracket 72 also carries a standard 74 in which a gear 76, meshing with worm 66, is journaled. The gear 76 has a pin 78 thereon adapted to intermittently engage the trip 80 on cover 70 to open the same.

30 The receptacle 68 is for the purpose of receiving suitable aromatic substance for alleviating or reducing noxious odors and excessive noxious odors, and the quantity of such substances permitted to escape from receptacle 68 may be varied, as desired. The aromatic substances may comprise, for example, oils or solids having an odor of new mown hay, pine needles, wintergreen, honey suckle, and the like.

5 The number of actuations of the cover 70 per minute to release or permit of the escape of the aromatic substance may be dependent on the rate of rotation of the fan 64 or otherwise controlled. Regulation of the rate of opening of the cover may also be accomplished by changing the ratio of the gears 66, 76 or by changing the position of the pin 78.

0 The adjustments are readily made at will so that the resulting mixture produces the desired pleasing effect on the olfactory organ of the person making the adjustment.

By the foregoing arrangement or method the disagreeable or obnoxious odors are alleviated without excessiveness in the quantity of aromatic substance employed.

The admixture of the aromatic substance with 5 the air is effected in the partially confined space within the casing 16 to insure permeation of one with the other before the mixture is swept by the air current generated by the fan from the casing.

The fan 64 maintains a vertically moving current of air through and confined by the casing 10. The air enters the casing at the base thereof through suitable opening or openings 90 in the base member 12 and passes out together with the aromatic vapors through an opening or 15 openings 92 in the upper portion of the casing portion 16. The direction of discharge through opening 92 is controlled by shutters 94 which may be actuated by member 96 to direct the air current up or down or horizontally.

20 The apparatus may be placed in living rooms, offices or other places for the purpose of destroying foul odors or employed for purifying air, water, etc.

The rate of air flow through the casing and 25 aromatic supply may be regulated to produce an effect which is the most pleasing and beneficial to the person making the adjustment.

The several housings or enclosures for the apparatus may be artistically designed to be suitable for use in living rooms, etc., and the same may be provided with suitable auxiliary devices such as ash trays, calendars, clocks, measuring 30 rules, cigar lighters, etc.

I claim:

35 1. In apparatus of the character described, a receptacle for receiving a substance capable of alleviating noxious odors, a closure for said receptacle, a motor driven fan for causing circulation of air, and means operated by the fan motor 40 for intermittently actuating said closure.

2. In apparatus of the character described, an apertured casing, a fan therein, a motor therein for rotating the fan, a normally closed receptacle therein for receiving a substance for alleviating noxious odors, and means operated by 45 the motor for intermittently opening said receptacle.

HYMAN ROSENFELD. 50