

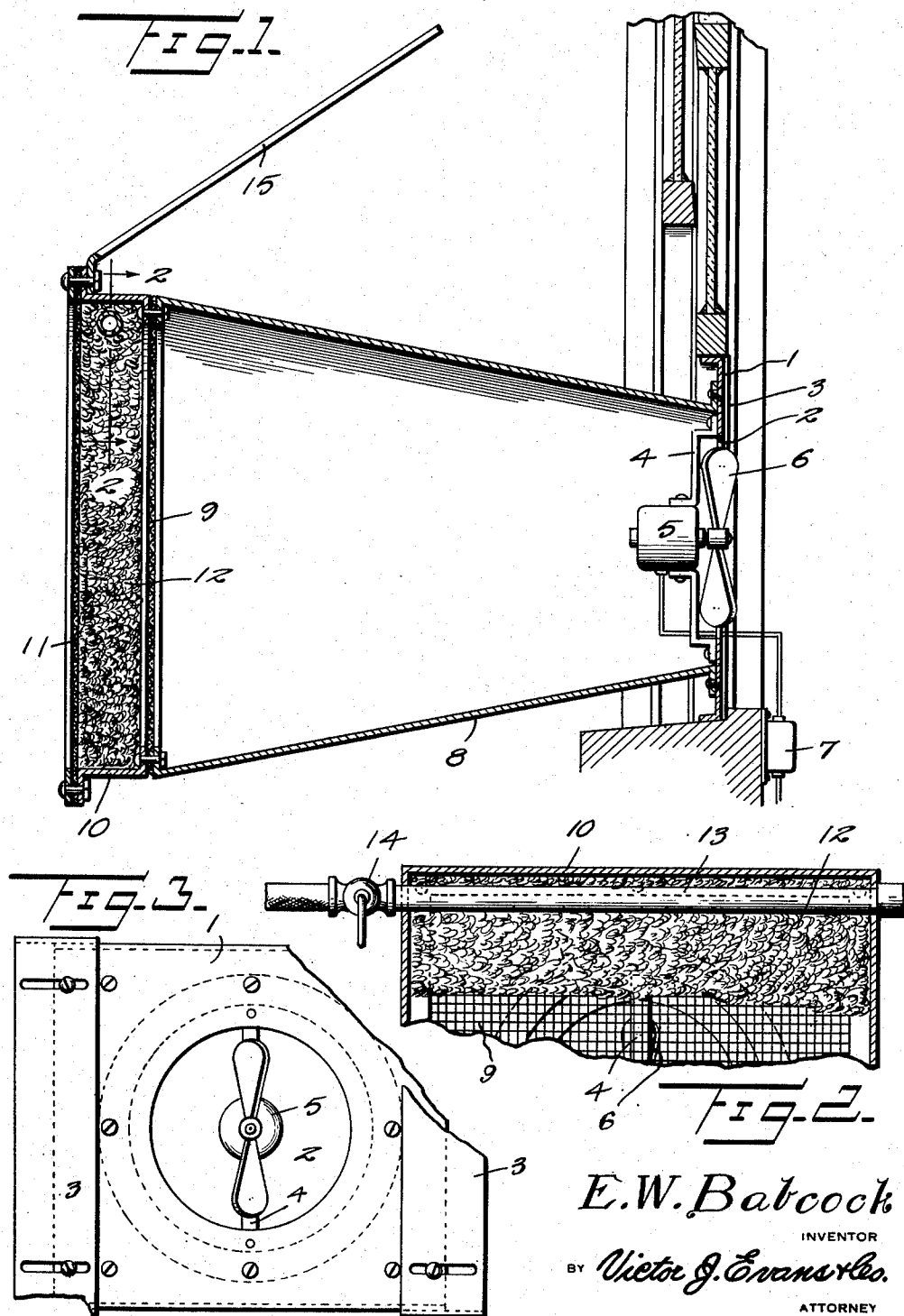
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E. W. BABCOCK

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AIR CONDITIONER

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E. W. Babcock

INVENTOR

BY Victor J. Evans & Co.

ATTORNEY

UNITED STATES PATENT OFFICE

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AIR CONDITIONER

Eugene W. Babcock, Woodlake, Nebr.

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1 Claim. (Cl. 261—106)

This invention relates to air conditioners and has for the primary object the provision of an efficient and inexpensive device of this character which may be readily adapted to windows of different sizes and which will force through the window into the room filtered, moistened and cooled air obtained from the outside of the building and thereby condition the air within the room.

With these and other objects in view, this invention consists in certain novel features of construction, combination and arrangement of parts to be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawing, in which

Figure 1 is a vertical sectional view illustrating an air conditioner constructed in accordance with my invention and showing the same adapted to a window.

Figure 2 is a fragmentary sectional view taken on the line 2—2 of Figure 1.

Figure 3 is a fragmentary end elevation showing the means of mounting the conditioner in a window.

Referring in detail to the drawing, the numeral 1 indicates a panel having formed therein an opening 2 and adjustably secured to said panel are plates 3 so that said panel may be made to fit windows of different sizes. In Figure 1 the panel is shown mounted in a window frame with a sash of the window frame in engagement with the panel so that the window frame will be closed except for the opening 2. A bracket 4 is secured to the panel and supports an electric motor 5 to which is secured a fan 6. The fan 6 is located within the opening 2. The electric motor 5 is connected in any well known manner to an electrical output and also may include in its electric circuit a thermostat control 7 of any conventional construction.

A substantially conical-shaped casing 8 is secured to the panel 1 and extends outwardly of the

window and has one end closed by a screen 9. The screened end of the casing 8 has secured thereto a frame 10 providing a mounting for a screen 11 spaced from the screen 9. The space between the screens 9 and 11 is filled with fibrous material 12 and also located in the space and suitably mounted in the frame 10 is a perforated pipe 13 having connected thereto a valve 14. The valve 14 is connected in any well known manner to a water supply. The screen 11 is readily removable from the frame 10 and the latter has connected thereto supports 15 secured in any suitable way to the building.

In operation, the fibrous material 12 is saturated with water from the perforated pipe 13 by opening the valve 14 and with the fan in operation air is drawn through the fibrous material where it absorbs moisture therefrom and has removed therefrom foreign matter so that the air when discharged through the opening 2 of the panel into the room will be free of foreign matter, contain moisture and have its temperature lowered.

Having described the invention, I claim:

An air conditioner comprising a substantially conical shaped casing extending from a window of a building and arranged exteriorly of the latter, a plate mounted on one end of said casing and having an opening in alignment with the casing, a power driven fan mounted on the plate and arranged in the opening, extension plates adjustably secured on the plate to be adjusted against the window, a frame mounted on the other end of the casing, a screen located between the frame and casing for closing the last-named end of said casing, a second screen mounted in the frame and spaced from the first screen, fibrous material filling the space between said screens, and a perforated water supply pipe embedded in the fibrous material and located in the upper portion of the frame.

EUGENE W. BABCOCK.