United States Patent

Novak

[15] 3,673,770

[45] July 4, 1972

[54] FURNACE REGISTER HUMIDIFIER

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[22] Filed: **Dec. 7, 1970**

[21] Appl. No.: **95,459**

[52] **U.S. Cl.** **55/234,** 98/105, 239/44, 261/99

[51] **Int. Cl.** **B01d 50/00**

[58] **Field of Search** 55/234, 506, 356; 261/99, 104, 261/107; 98/30, 12, 105, 109; 239/44–46; 237/78; 21/122–125, 74, 53

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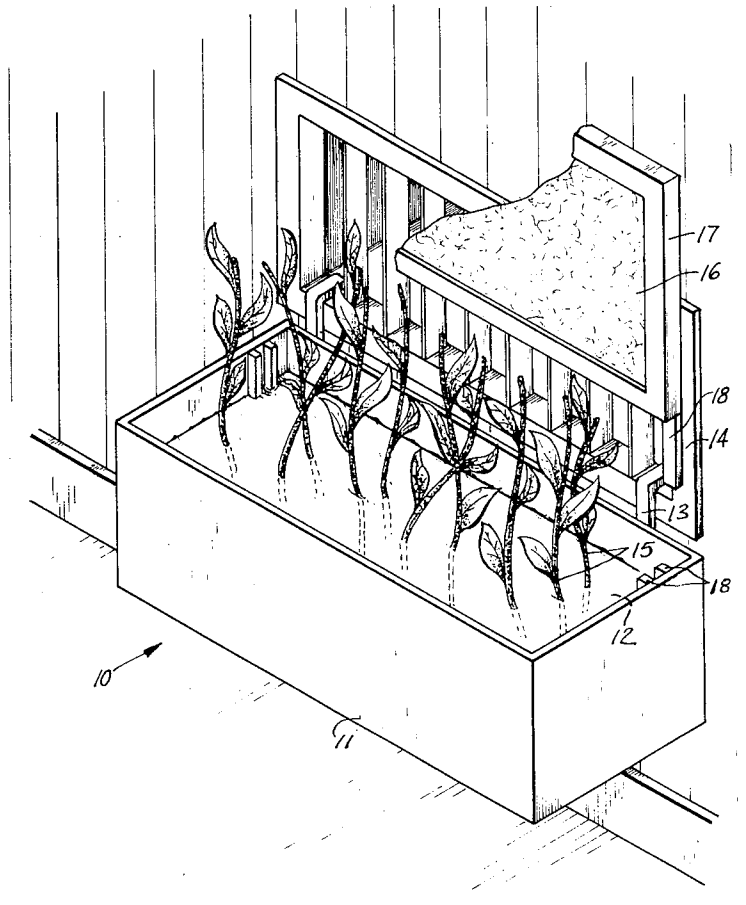
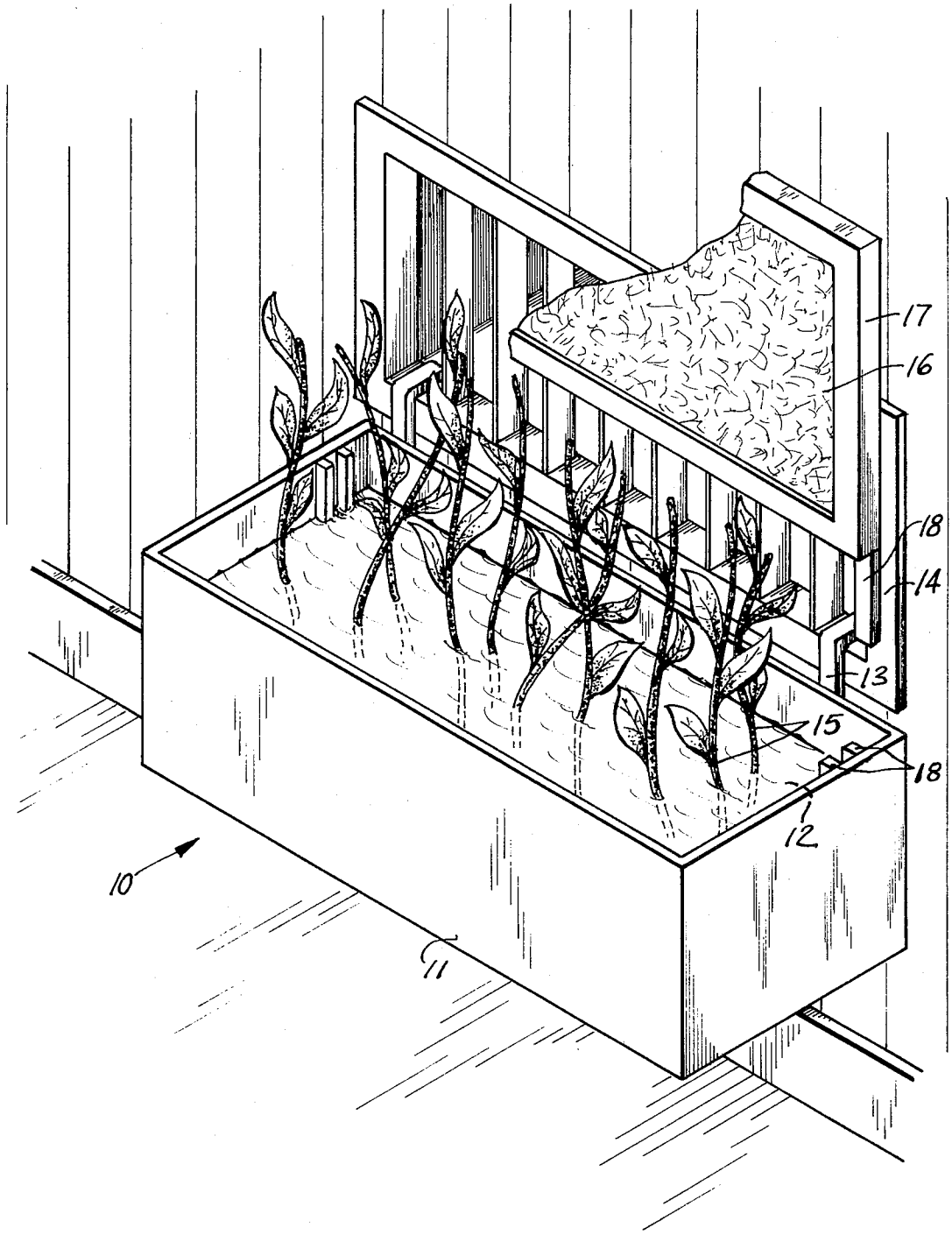
[57] **ABSTRACT**

A device resembling an ornamental planter which is provided with hooks to depend it from a furnace register. The device includes water and plants of an artificial nature the plants having a wick-like surface on the rear which will put moisture into the air which is expelled from the furnace register.

3 Claims, 1 Drawing Figure





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FURNACE REGISTER HUMIDIFIER

This invention relates to humidifiers, and more particularly to a decorative furnace register humidifier.

It is therefore the main purpose of this invention to provide a furnace register humidifier which will have a non-corrosive container with hook means to suspend it from the furnace register and the container is partially filled with water which is carried up the artificial plants and is distributed into the air, being expelled from the register.

Another object of this invention is to provide a humidifier which will include rail means on the interior of the container for receiving a washable filter, the filter serving to filter out the dust particles which accummulate in duct work.

A further object of this invention is to provide a humidifier which may have the filter frame adaptable to magnetic type fasteners for holding it to the register.

Other objects of this invention are to provide a furnace register humidifier which is simple in design, inexpensive to manufacture, rugged in construction, easy to use and efficient in operation.

These and other objects will become readily apparent from a study of the following specification together with the accompanying drawing wherein:

The drawing is the sole view of the present invention.

According to this invention, a furnace register humidifier **10** is shown to include a hollow rectangular container **11** made of any suitable material that will not rust or corrode. Container **11** carries water **12** and is provided with a pair of spaced apart hook members **13** which are fixedly secured thereto and will allow the humidifier **10** to depend just below the furnace register frame **14**. A plurality of artificial plants **15** which stand upwards from within the water **12** of container **11** are provided with a wick-type backing which serves to absorb and carry water upward which will evaporate into the air coming out of the register **14**. An optional filter **16** having a frame **17** my fit against or slightly away from the register **15**, the frame **17** having outer leg portions **18**, one of which is shown. The leg portions **18** are slideable between rails **18** secured fixedly to the interior of container **11**, the rails **18** serving to render frame **17** of filter **16** stationary against the register **14**.

In use, the water **12** is carried upwards by means of the wick-backed artificial plants **15** and the air coming from register **14** will pick up the moisture form the plants **15** by evaporation, thus humidifying the normally dry air.

I claim:

1. A furnace register humidifier, comprising a hollow non-rusting or non-corroding container having a quantity of water therein, artificial plants carried within said water within said container with wick facings on the stems and leaves, hook means carried by said container for supporting it from said furnace register, a filter and frame carried by the device for filtering the dust particles from the air coming out of said register.

2. The combination according to claim **1**, wherein said hooks of said humidifier are secured fixedly in spaced apart and parallel relationship with each other on the exterior of said container and said hooks are received within the spaces of said register frame and thus serve to support the depending water carrying container just below said register frame in order that water may be evaporated from said plants into the air coming from said furnace register.

3. The combination according to claim **2**, wherein said plants extend upwards from within said water and are spaced apart and have wick backed surfaces, the wick serving to extend water upwards in front of said register frame in order that said water may be carried and evaporated into the air coming from said register and rail means on each of the end walls of said container extend downwards to the bottom of said container and flush with the upper surface of said container, said rails serving to guide slideably a pair of parallel legs one on each end of said filter frame, said rails serving to hold said filter frame against said register in order to filter the air traveling therethrough.

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