D. F. TYNAN, DEC'D.
F. M. PABST, ADMINISTRATRIX.
REGISTER ATTACHMENT.
APPLICATION FILED JULY 22, 1921.

1,429,811. Patented Sept. 19, 1922.

2 SHEETS—SHEET 1.

Fig. 1.

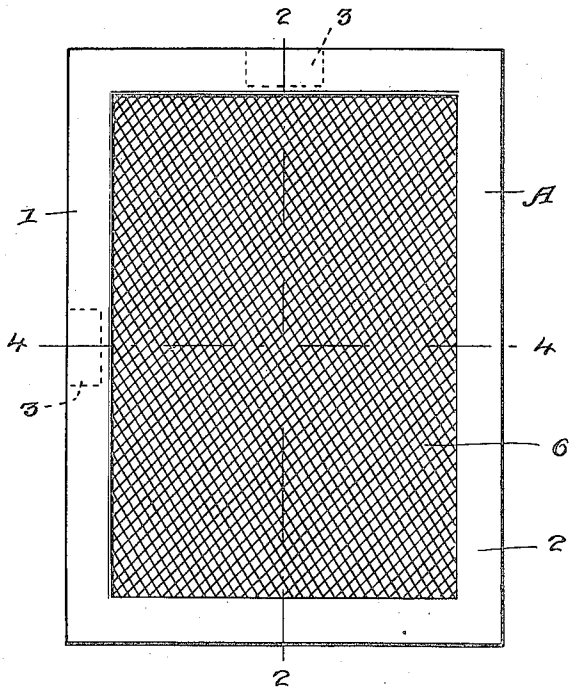


Fig. 2.

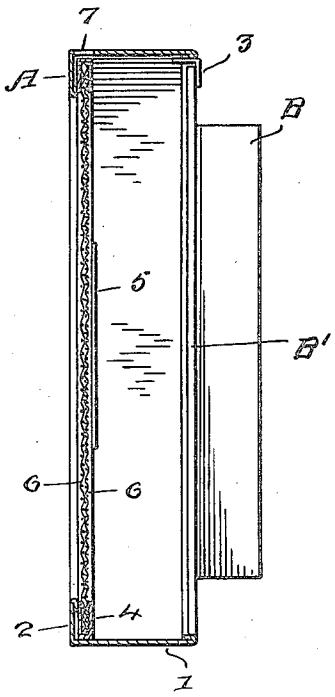
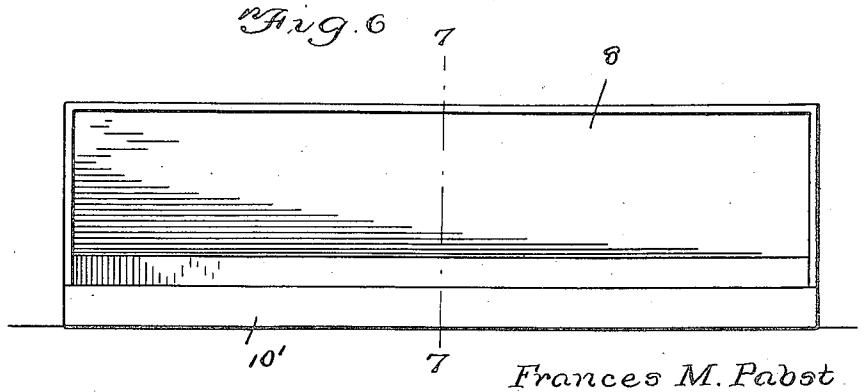


Fig. 6



Frances M. Pabst
Administratrix for the Estate
of Daniel F. Tynan, Deceased
INVENTOR

BY Victor J. Evans
ATTORNEY

E. R. Ruppert
WITNESS:

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2 SHEETS—SHEET 2.

Fig. 3.

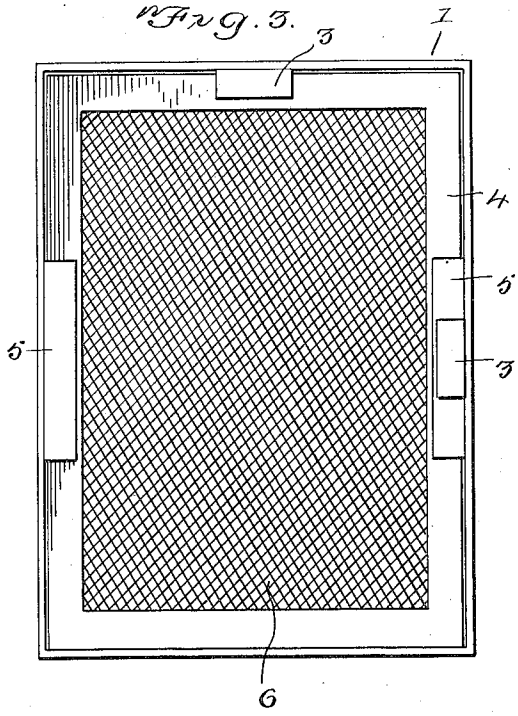


Fig. 5.

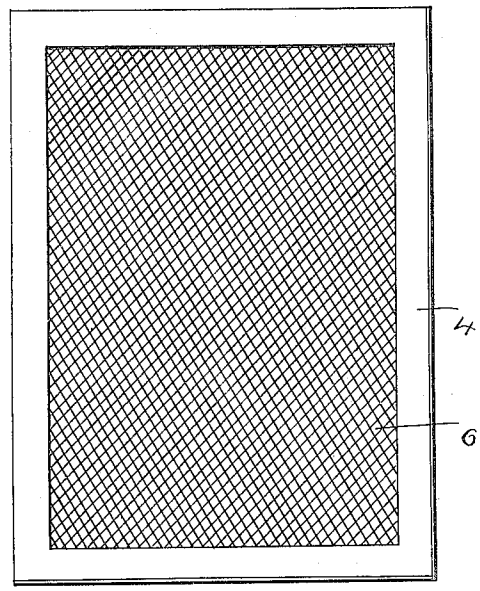


Fig. 4.

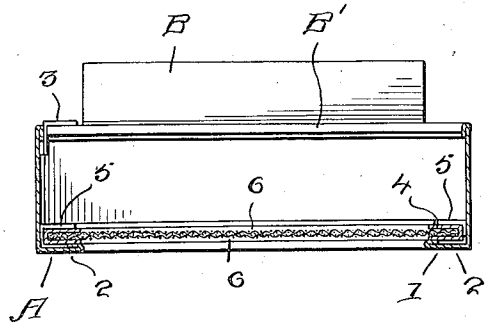
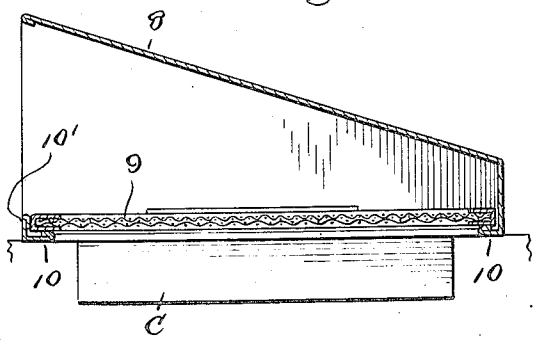


Fig. 7.



E. R. Ryplpert.

WITNESS:

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Administratrix for the Estate
of Daniel F. Tynan, Deceased.
INVENTOR

BY Victor J. Evans
ATTORNEY

Patented Sept. 19, 1922. 1,429,811

UNITED STATES PATENT OFFICE.

DANIEL F. TYNAN, DECEASED, LATE OF CINCINNATI, OHIO, BY FRANCES M. PABST, ADMINISTRATRIX, OF SOUTH NORWOOD, OHIO.

REGISTER ATTACHMENT.

Application filed July 22, 1921. Serial No. 486,750.

To all whom it may concern:

Be it known that DANIEL F. TYNAN, late a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, did invent certain new and useful Improvements in Register Attachments, of which the following is a specification.

This invention relates to improvements in attachments for hot air registers and the like, the principal object of the invention being to provide means for evenly distributing the hot air to all parts of the room.

Another object of the invention is to provide means for screening the air to take therefrom dust and the like before it enters the room.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing the invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a face view of one form of the invention showing the same in use.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a rear view of the device shown in Figure 1.

Figure 4 is a section on line 4—4 of Figure 1.

Figure 5 is a front view thereof.

Figure 6 is a side view of a modified form of the device.

Figure 7 is a section on line 7—7 of Figure 6.

The attachment A, shown in Figures 1, 2, 3, 4 and 5, is intended for use upon wall registers, such as shown at B in Figures 2 and 4. This attachment comprises a casing 1 of rectangular shape, or the shape of the register and which is formed of any suitable material. The front and rear faces are open and a flange 2 is formed around the open front face and inwardly extending ears 3 are formed with or secured to the rear part for engaging the flange B′ of the register for holding the attachment in place. The drawing shows one of these ears on the top and one side of the attachment, though it will be understood that any number of such ears may be used.

A frame 4 is adapted to be placed in the attachment and to be held between the flange 2 by the inwardly extending strips 5 which are connected with the sides of the casing. This frame is preferably formed of metal with each part of channel shape in cross section and supports a pair of screens 6, one of which is of small mesh and the other of large mesh. This frame and its screens are so formed that the screens will cover the open front of the casing so that the hot air passing from the register into the casing must pass through said screens before it enters the room. Thus particles of dust and other foreign matter are prevented from entering the room so that the air within the room is kept free of dust. The frame is inserted in the casing through a slot 7 formed in one end of the casing.

The attachment shown in Figures 6 and 7 is adapted to be used with a floor register, shown at C. This attachment has its bottom and one side open with its top closed, as at 8, such top sloping downwardly from the open side to the closed side. The opening in the bottom fits over the flange of the register, and the screen frame 9 rests upon the flange 10 which forms the wall of said opening. Thus the hot air flowing from the register must pass through the screens before it enters the casing and this air then passes from the casing through the open side. In this form of the invention the air is directed against the floor so that it will cause the circulation of air in the room so that the heat will be evenly distributed to all parts of the room, thus preventing the accumulation of heated air at the ceiling as is usual with the ordinary types of heaters.

In this form of the invention the ears are not needed as the device simply rests upon the floor with the flange of the register engaging the walls of the opening and thus holding the attachment in place over the register. A flange 10′ is formed at the bottom of the open side to help hold the screen frame in place.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several

parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

A register attachment comprising a rectangular shaped casing having closed side and end walls and open front and rear faces, a flange formed integrally with the walls and adapted to extend inwardly over the front face, a plurality of ears secured to the walls and adapted to extend inwardly over the rear face, means secured to said ears whereby the rear face may be detachably secured over a register, said casing being provided with an elongated opening extending the entire length of the end wall, a metallic frame adapted to be slid through said opening and engage the inwardly extending flange, said frame having its members formed of channel strips, a plurality of strips secured to the side walls and adapted to support said frame within the casing and a pair of screens arranged in super-imposed relation and having their edges secured in said channel, one screen having a larger mesh than the other as and for the purpose specified.

In testimony whereof, I affix my signature in the presence of two witnesses.

FRANCES M. PABST,
Administratrix for the estate of Daniel F. Tynan, deceased.

Witnesses:
S. BRUCE POLLARD,
J. G. DEDOSSER.