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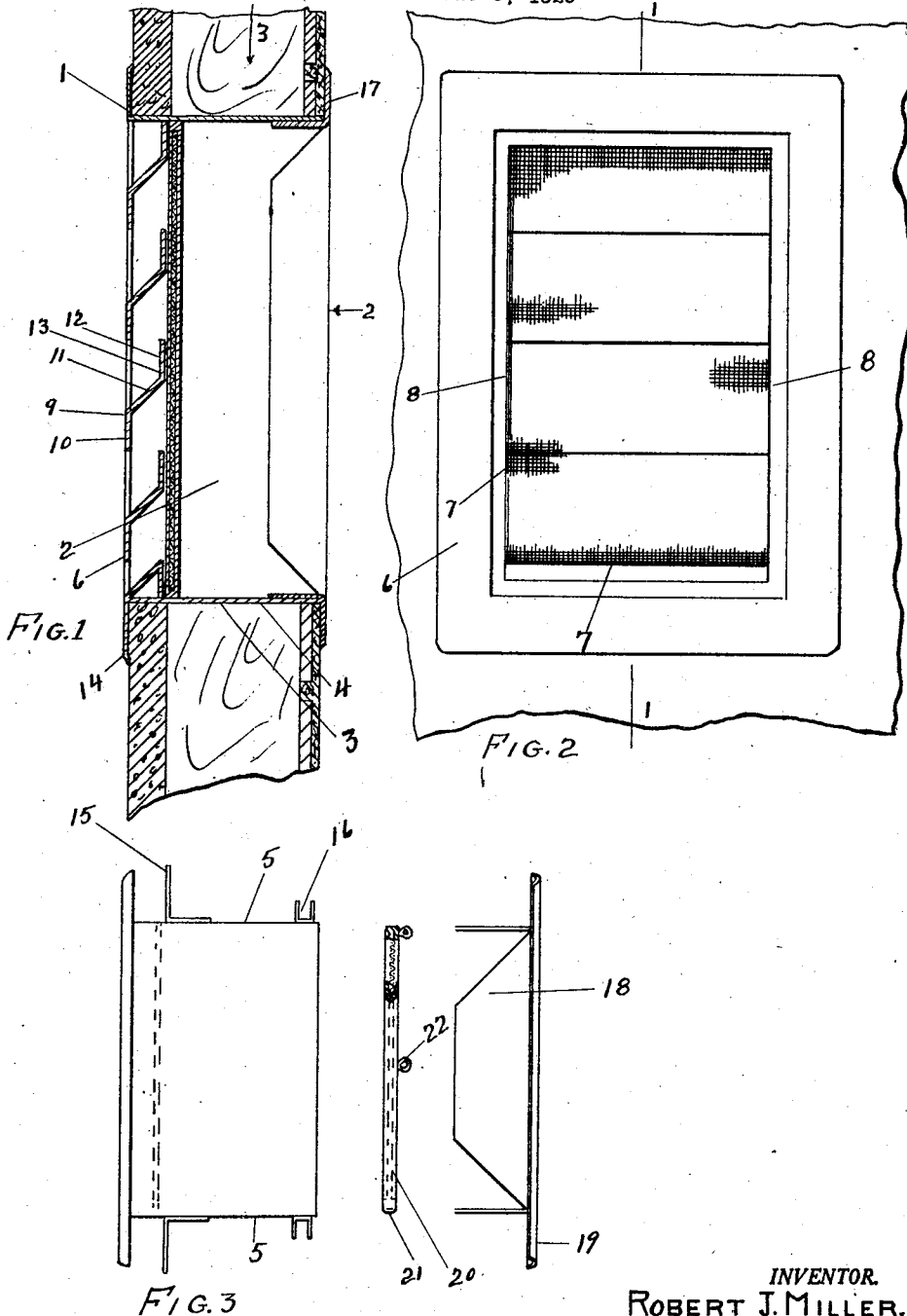
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R. J. MILLER

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WALL LOUVER VENTILATOR INSTALLATION

Filed June 8, 1925



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UNITED STATES PATENT OFFICE.

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WALL-LOUVER-VENTILATOR INSTALLATION.

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My invention is a wall louver ventilator installation adapted to be inserted as a unit in a wall with the louvers at the outside.

My whole device is made of sheet metal except for a wire screen and forms a device readily installed, particularly for the ventilation of cold closets, bath-rooms or the like.

The louvers are set in a frame which reaches from the outside to the inside of a wall and has secured thereto flanges to be embedded in a stucco or brick veneer, and grooves on the inside to engage laths in a plastered house. The outside of the louver frame is provided with an escutcheon to give a neat appearance on the outside wall and removable escutcheons may be slid into place after the interior wall has been finished. My invention will be more readily understood from the following description and drawings in which:—

Figure 1 is a vertical section of my wall louver as if on the line 1—1 of Figure 2.

Figure 2 is an inside elevation in the direction of the arrow 2 of Figure 1.

Figure 3 is a plan view in the direction of the arrow 3 of Figure 1, showing the wall section of the frame, the wire screen and the inside escutcheon.

Referring to the drawings the numeral 1 designates the wall section as a whole having a wall section 2 formed of a rectangular metal frame 3, having top and bottom walls 4 and end walls 5. A series of louvers are formed by making a series of transverse slits 7, crossing the front sheet 6 of metal, and a series of spaced end slits 8, as shown in Figure 2. The metal is then bent backwardly forming an obtuse angle bend 9 from the front web 10 to the sloping portion 11 of the louver, this latter being connected to the rear section 12 of the slit portion of the front sheet, preferably by an obtuse angle 13. These bent back portions 11 and 12 are

soldered to the inside of the end walls 5, forming a strong and tight louver. The front sheet 6 forms an escutcheon 14 extending on the outside of the wall.

The front portion of the wall louver is provided with angles 15 and rearwardly placed channels 16 of sheet metal soldered or riveted to the walls. These are usually on the end walls only and provide flanges for engaging the stucco or other outside finish of the house and the lath or plaster board.

The inner frame is formed by a piece of sheet metal 17, which has inwardly bent flanges 18 and an escutcheon portion 19. The flanges form a snug fit on the top and bottom 4 and the side walls 5 of the wall section of the louver and may be permanently secured in position after the interior of the house is finished.

A screen 20, built on a frame 21, is inserted in the wall section directly behind the louvers and is preferably retained in place by friction and is removable by a ring 22.

My invention can be materially changed in detail to suit special requirements without departing from the spirit thereof.

Having described my invention what I claim is:—

A ventilator comprising a rectangular frame adapted to extend through the wall of a building, outwardly extending flanges on said frame adapted to engage the outer surface of the wall, a plurality of louvers extending across the frame, a screen removably positioned adjacent the louvers, a removable inner frame engaging the inner surfaces of said first mentioned frame, flanges on said inner frame to engage the inner surface of the wall, and inner and outer members secured to the outer surface of the first mentioned frame and adapted to be embedded in the wall.

In testimony whereof I affix my signature.
ROBERT J. MILLER.