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1,855,294

BUILDING VENTILATOR

Filed Sept. 19, 1930

Fig. 1.

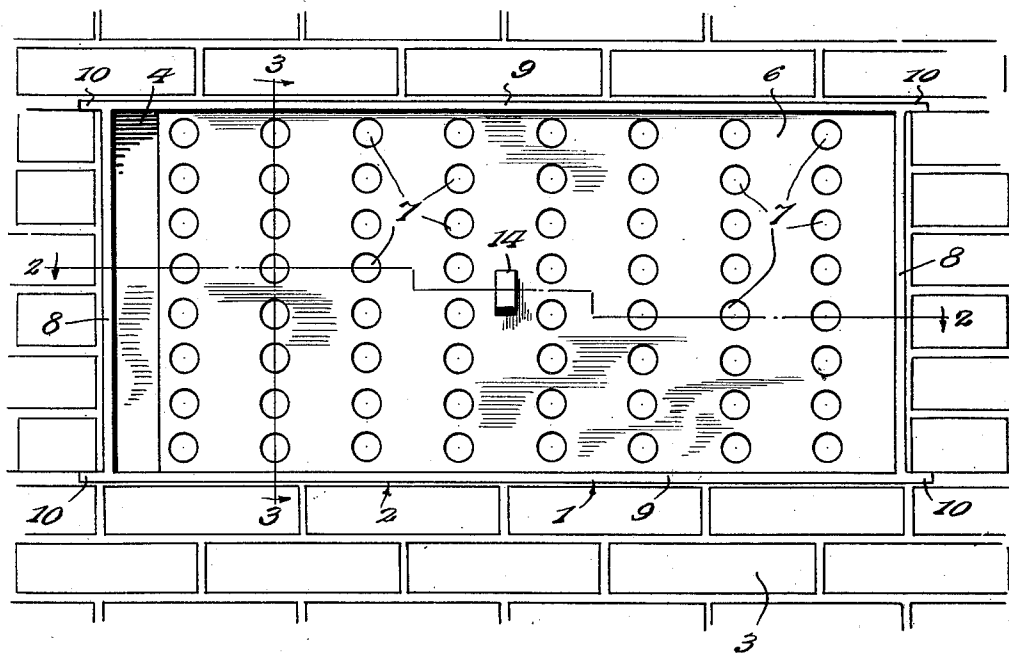


Fig. 2.

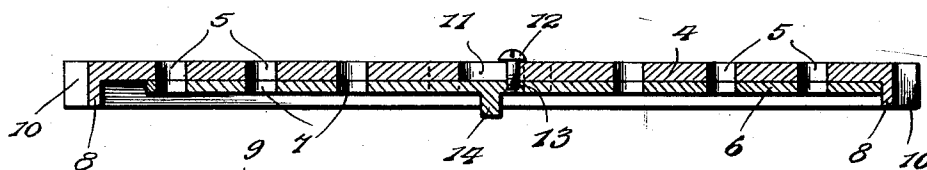


Fig. 4.

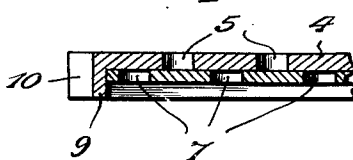
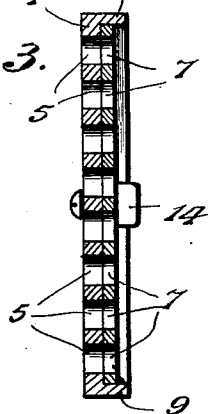


Fig. 3.



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BUILDING VENTILATOR

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This invention relates to ventilators and more particularly to a ventilator adapted to be mounted in an opening formed in a wall of a building in order that a cellar may be ventilated by fresh air passing inwardly through the ventilator.

One object of the invention is to provide a ventilator which may be set into an opening formed in a wall while the wall is being built and which will be firmly anchored to the wall and prevented from slipping out of place.

Another object of the invention is to so form the ventilator that, while air may be allowed to pass into or out of a cellar, mice and other animals will be excluded and prevented from entering the cellar through the opening in which the ventilator is set or through the ventilator itself.

Another object of the invention is to provide the ventilator with a shield or shutter easily moved into or out of a closed position and so mounted that when it is opened it cannot be accidentally moved to a closed position by the pressure of wind blowing inwardly through the ventilator.

Another object of the invention is to provide a ventilator consisting of a few number of parts and which is very simple in its construction and strong and durable.

The invention is illustrated in the accompanying drawings, wherein

Figure 1 is a view in elevation showing the improved ventilator set into a wall,

Fig. 2 is a longitudinal sectional view through the ventilator taken on the line 2—2 of Figure 1,

Fig. 3 is a vertical sectional view through the ventilator taken on the line 3—3 of Figure 1, and

Fig. 4 is a fragmentary view similar to Figure 2 but showing the shield or shutter moved to a closed position.

This improved ventilator, which is indicated in general by the numeral 1, is to be set into an opening 2 formed in the wall 3 of a building. The ventilator may be of any length and height desired and consists briefly of a plate or body 4 having openings 5 formed therein and a shield or shutter 6

slidably carried by the plate 4 and formed with openings 7 which register with the openings 5 when the shield is in the position shown in Figure 2 but are disposed out of registry with the openings 5 when the shield is moved to the closed position shown in Figure 4. The plate or body 4 is preferably formed of cast metal, although any material found suitable may be employed and along its ends and upper and lower sides is provided with flanges 8 and 9 which project outwardly from the plate about its margins. The upper flanges are intended to form lugs or arms 10 which project from corners of the plate longitudinally thereof and are intended to be embedded in the wall between the bricks or stones from which the wall is formed and firmly anchor the ventilator in the opening 2 of the wall. Therefore, the ventilator will be prevented from having movement and cannot slip out of its proper position in the opening. The shield 6 is also preferably formed of cast metal, although any material found suitable may be employed and this plate or sheet fits against the outer face of the plate 4 with its upper and lower edges disposed close to the upper and lower flanges 9. The sheet is of less length than the plate 4 and, therefore, it may be slid longitudinally from the position shown in Figures 1 and 2 wherein its openings 7 register with the openings 5 of the plate to the closed position shown in Figure 4 wherein its opening are out of registry with the openings of the plate and the portions of the sheet between the openings 7 serve to close the outer ends of the openings 5. The flanges 9 guide longitudinal movement of the shield and the flanges 8 serve to limit its longitudinal movement. A slot 11 is formed longitudinally of the plate 4 in its central portion and through this slot is passed a screw 12 which engages in a threaded socket 13 formed in the shield 6. The head of the screw overlaps the inner face of the plate 4 above and below the slot 11. Therefore, the screw will serve to securely hold the shield in engagement with the plate 4, as shown in Figure 2, and since the shield fits flat against the outer face of the plate and is slid longitudinally

from an opened to a closed position but may be moved to a closed position and when shut cannot be blown open by strong winds. In fact, when wind is blowing, the pressure exerted will force the shield closer to the plate and cause it to more effectively seal the openings in the plate. A lug or finger-hold 14 projects outwardly from the shield centrally thereof, as shown in Figures 1, 2 and 3, so that by grasping this lug or handle the shield may be very easily slid longitudinally to an adjusted position.

Having thus described the invention, I claim:

15 A building ventilator comprising a plate to be set into an opening formed in a wall, a flange extending about borders of said plate and projecting outwardly therefrom, upper and lower extensions at the ends of said plate
20 to engage in the wall and anchor the plate in the opening of the wall, said plate having openings and a longitudinally extending slot formed therein, a shield consisting of a flat sheet fitting against the outer face of said
25 plate, said shield having its upper and lower edges bearing against flanges along upper and lower edges of the plate and being of less length than the plate to permit movement of the shield longitudinally thereof, openings
30 being formed in the shield to register with the openings in said plate when the shield is shifted longitudinally to one position of adjustment, a fastener passed through the slot in said plate from the inner end thereof and engaged in a socket opening through the inner
35 face of said shield to retain the shield in close contacting engagement with the outer face of the plate, and a hand-hold projecting outwardly from said shield.

40 In testimony whereof we affix our signatures.

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WILLIAM A. MURDOCK. [L. s.]

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