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W. S. HOCHBERG

3,083,633

VENTILATOR

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FIG. 1

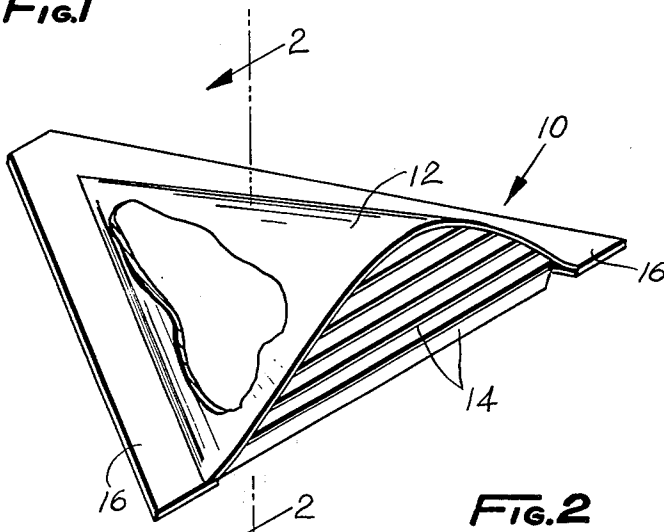


FIG. 2

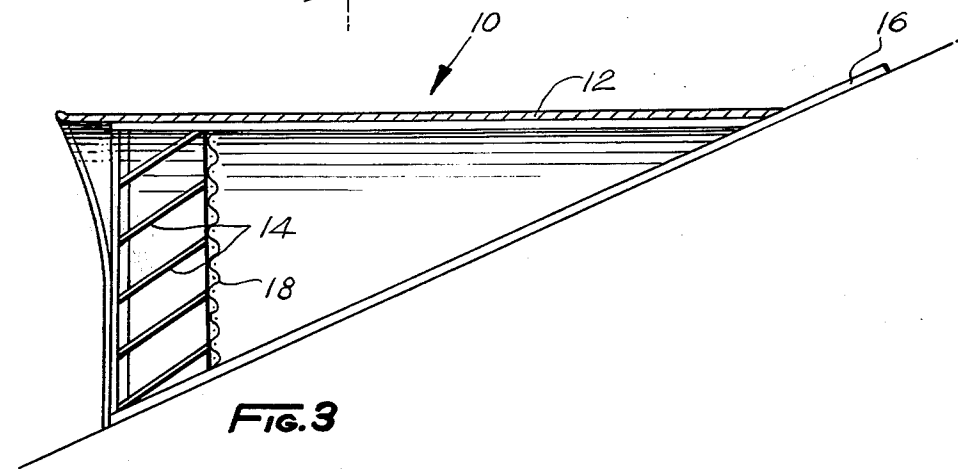
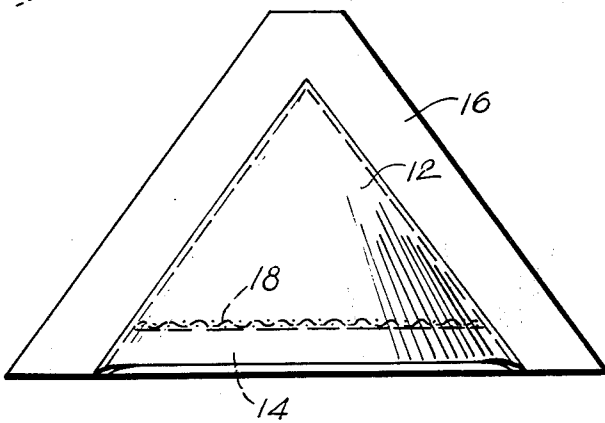


FIG. 3



INVENTOR.
WALTER S. HOCHBERG

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3,083,633
VENTILATOR

Walter S. Hochberg, 122½ Adams St., Johnstown, Pa.
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This invention relates to building construction and, more particularly, to a roof ventilator.

It is an object of the present invention to provide a roof ventilator which can be mounted in a neat and attractive manner, and which will provide adequate ventilation of the roof as with conventional construction.

A further object of the present invention is to provide a roof ventilator of the above type which can be mounted adjacent to the ridge of the roof, in which the ventilator will add to the appearance of the building without detracting from the functionality thereof.

A still further object of the present invention is to provide a roof ventilator, which is adaptable for being mounted upon roofs of varied pitch, and wherein the ventilator will appear plumb on each such roof, regardless of its pitch.

Other objects of the invention are to provide a ventilator bearing the above objects in mind, which is of simple construction, has a minimum number of parts, is inexpensive to manufacture, and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description, taken in conjunction with the accompanying drawing, in which:

FIGURE 1 is a perspective view, with parts broken away, of a ventilator made in accordance with the present invention;

FIGURE 2 is a longitudinal cross sectional view taken along line 2—2 of FIGURE 1; and

FIGURE 3 is a top plan view of the device shown in FIGURE 1.

Referring now more in detail to the drawing, a ventilator 10 made in accordance with the present invention is shown to include a main housing 12 of generally semi-conical configuration having a peripheral flange 16 of generally V-shaped configuration for insertion beneath the uppermost layer of roof with which the device is being used.

The open base end of the main housing 12 has a set of closely spaced louvers 14 and a wire mesh screen 18 blocking the flow of foreign matter into the interior thereof, but allowing air to pass freely therethrough.

As shown in FIGURE 2 of the drawing, it is to be noted that the main housing extends forwardly at its apex beyond the vertical arrangement of louvers. At its opposite ends, the forward edge of the housing is in forwardly alignment with the lower portion of the louver arrangement. Between the apex portion and the opposite ends, the housing edge, which defines an opening into the ventilator, defines a forwardly-extending arc.

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This arcuate portion, as shown in FIGURE 2 of the drawing, eliminates a right angle, when the ventilator is viewed from the side. Accordingly, when the same is mounted upon a roof, having a greater or lesser pitch, the ventilator will appear to be level and plumb, as a person's eye cannot detect a vertical front edge which is tilted.

It will thus be recognized that the flange 16 may be secured to the roof in any suitable manner, with the open lower side of the housing 12 having communication with the air space within the roof so that flow outwardly through the louvers 14 may take place in a natural and normal manner. However, because of the particular configuration and appearance of the device 10, it will add to the appearance of the building without detracting from the functionality of the ventilator.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention, as defined by the appended claims.

What I claim as new and desire to protect by Letters Patent of the United States is:

1. A roof ventilator comprising, in combination, a main housing having an outwardly facing opening, flange means carried by said housing for securement to a roof adjacent to its ridge, a vertically extending baffle means mounted within said opening of said main housing, said baffle means limiting access to said interior of said main housing, said main housing being of generally hollow semi-conical configuration, said main housing having a forward edge defining said opening, said edge at the apex of said housing projecting forwardly and at its opposite ends being in alignment with said baffle means, said edge being arcuately curved symmetrically between said forwardly projecting apex and said opposite ends curving downwardly and rearwardly from said apex portion to said opposite end portions.

2. The combination according to claim 1, wherein said opening in said main housing extends through the base of said substantially semi-conical housing.

3. The combination according to claim 2, wherein said flange means comprises a substantially V-shaped flange extending outwardly from the side wall of said main building.

4. The combination according to claim 3, wherein said baffle means comprises a set of closely spaced louvers and a mesh screen substantially filling said opening of said main housing.

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