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2,579,662

VENTILATING DEVICE

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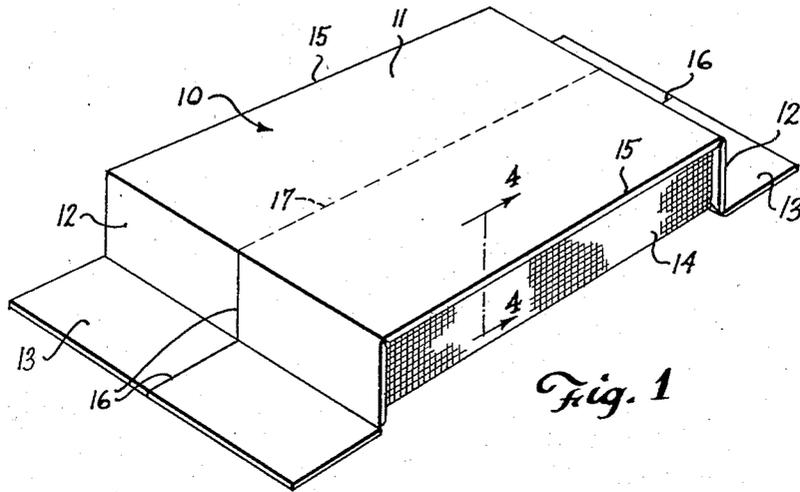


Fig. 1

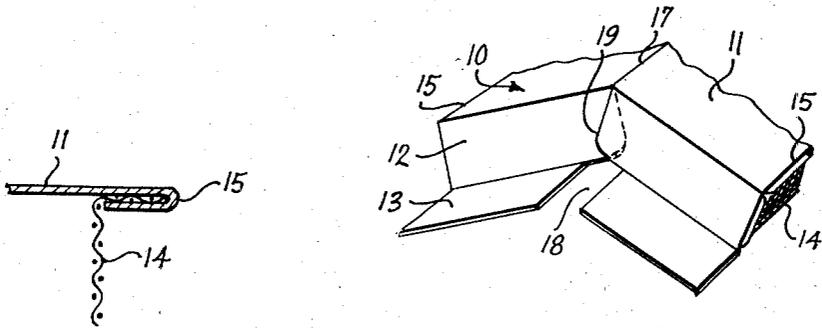


Fig. 2

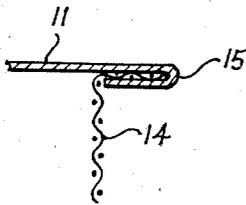


Fig. 4

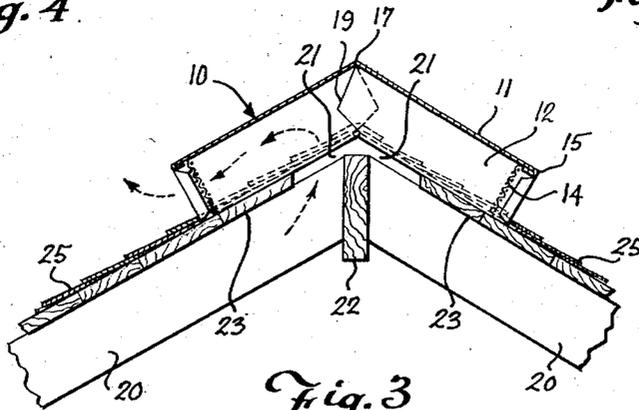


Fig. 3

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UNITED STATES PATENT OFFICE

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VENTILATING DEVICE

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2 Claims. (Cl. 98—42)

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This invention relates to a new article of manufacture which, in conjunction with a previously prepared roof ridge, forms a ventilating means.

It is common to provide ventilating means on roof ridges for ventilation of the building or rooms under the same. Previous devices known to the inventor have possessed the disadvantages that they are formed from a large number of component parts and are therefore unduly complicated and expensive to manufacture. Furthermore, previous ridge ventilating devices known to the inventor are not adaptable for use in conjunction with roof ridges having varying ridge angles.

It is therefore the object of the present invention to provide an article of manufacture which may be used in conjunction with roofs having widely varying ridge angles to form an effective ventilating means, and which is simple in structure, lending itself to economy of manufacture.

With these and other objects in view my invention generally comprises a new article of manufacture having a generally rectangular body portion of sheet metal with end walls formed integrally therewith, flanges extending from said end walls substantially at right angles thereto, and screen members forming side walls for said body portion. The flanges and end walls may be cut, the body portion bent, and the article fixed in simple manner over a previously prepared portion of a roof, to form an effective ventilating means.

In the drawings which illustrate one embodiment of the invention;

Figure 1 is a perspective view of my new article of manufacture, showing the form in which the article is sold.

Figure 2 is a partial perspective view illustrating how the article is cut and bent in order to install it on a roof in the area of the ridge.

Figure 3 is a cross-sectional view showing the article installed on the roof of a house.

Figure 4 is a partial section on the line 4—4 of Figure 1, showing the manner in which the screen members are attached to the body portion.

Reference numeral 10 generally indicates a body portion of sheet metal having a rectangular top 11 and end walls 12 formed integrally therewith. Flanges 13 extend from end walls 12 substantially at right angles thereto. Screen members 14 form side walls for body portion 10.

Screen members 14 are preferably arranged parallel to, but inwardly recessed from, the longitudinal edges 15 of rectangular top 11, in order

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to prevent rain, snow and the like from passing through the screens. Screen members 14, as best seen in Figure 4, are held in place by folding over the end of rectangular top 11 and crimping the top of the screen member 14 in the thus formed fold.

Two cuts 16 are made along the longitudinal axis of the article through both flanges 13 and end walls 12, but not through rectangular top 11. Rectangular portion 11 is bendable along the line 17 which joins the two cuts 16.

The ventilating device of my invention is installed on a roof in the following manner. Portions of flanges 13 are cut away on each side of cut 16 as shown at 18 in Figure 2. Portions of end walls 12 are then cut away on each side of cut 16 as shown at 19 in Figure 2. The extent of cutting will depend upon the pitch of the roof ridge upon which the device is to be applied. Cuts are taken which permit rectangular top 11 to be bent along the line 17 and strike an angle similar to that of the roof ridge.

The roof ridge itself is prepared for the installation of the device as follows. Between two adjoining rafters 20, a cut 21 is made on each side of the ridge board 22, through the roofing boards 23 and the shingles 25. The device of my invention, cut and bent in a suitable manner, is then placed over the prepared portion of the ridge, and nailed in place by nailing through the flanges 13 into the roofing boards 23. To prevent seepage of moisture under the flanges 13 I prefer to place some shingles 25 so as to cover the flanges 13, (as shown in Figure 3).

Modifications of the embodiment described and illustrated will be apparent to those skilled in building, roofing and carpentry arts. It is therefore intended that the invention should be limited only by scope of the sub-joined claims.

What I claim as my invention is:

1. A ventilating device comprising: a body portion of thin sheet metal having a rectangular top and end walls formed integrally therewith, flanges extending from said end walls at substantially right angles thereto, each of said flanges being formed with a transverse cut extending from its free edge to its edge that meets its related end wall, each of said end walls being formed with a cut that extends from the termination of said aforementioned cut in its related flange thereacross to its edge that meets said top, all of said aforementioned cuts being in a common plane with the longitudinal axis of said rectangular top whereby said top can be folded about its longitudinal axis to form a housing for a venti-

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lator capable of being fitted over the peak of a roof.

2. A ventilating device as claimed in claim 1 having side walls in the form of screen members.

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