

Oct. 6, 1953

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AWNING, CANOPY, ETC

2,654,424

Filed July 12, 1949

2 Sheets-Sheet 1

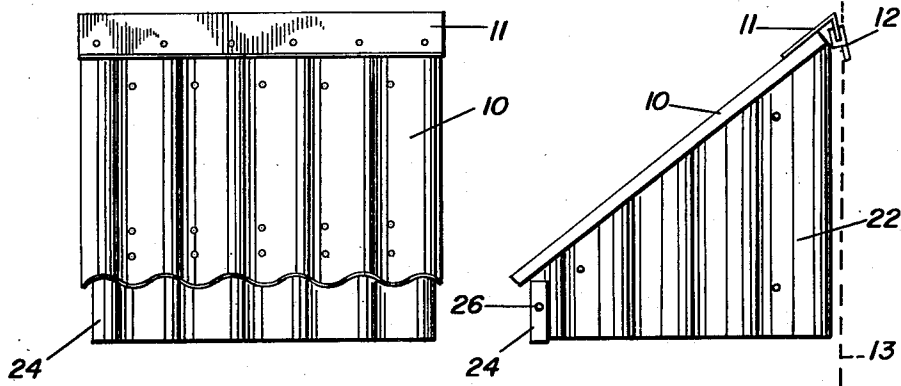


FIG. 1

FIG. 2

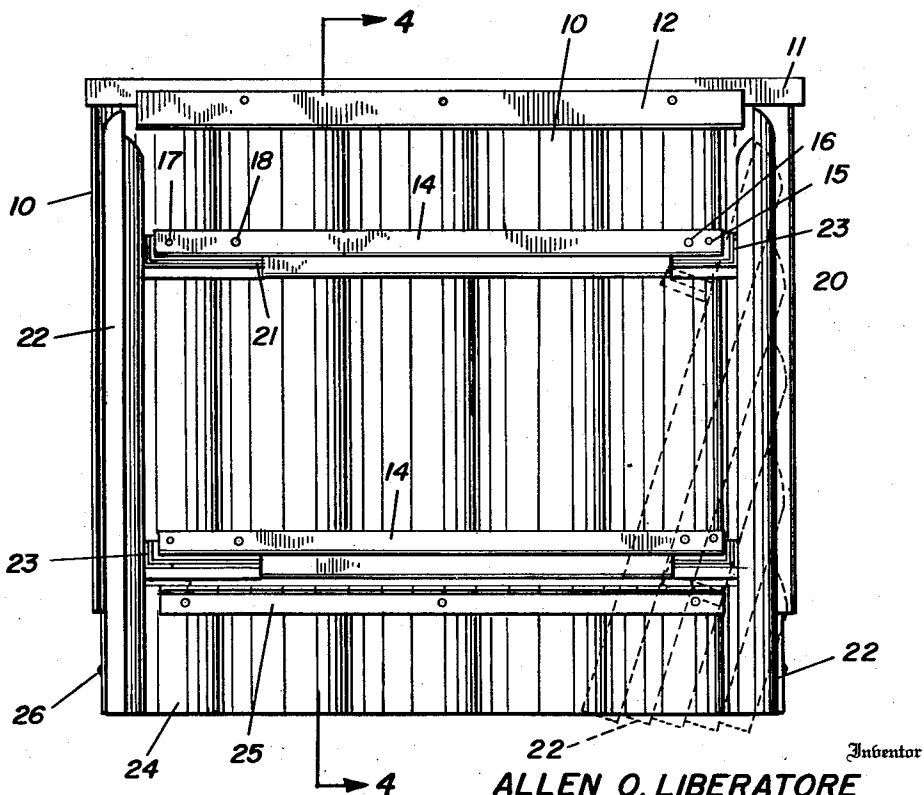


FIG. 3

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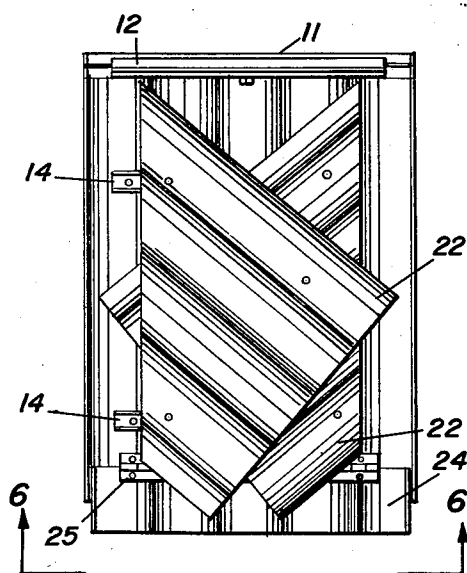
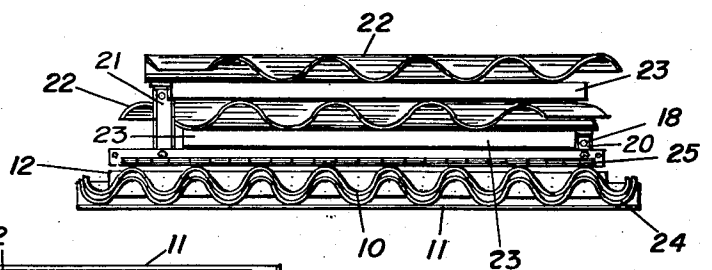
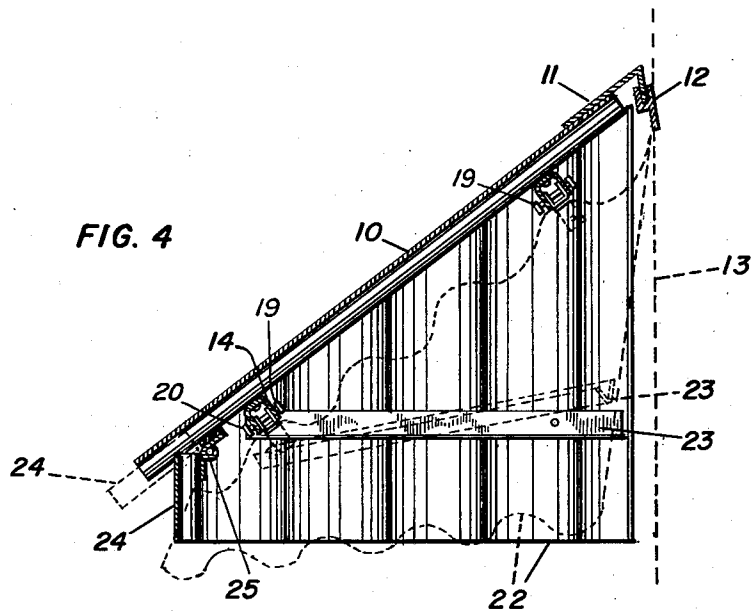
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UNITED STATES PATENT OFFICE

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AWNING, CANOPY, ETC.

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2 Claims. (Cl. 160-58)

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This invention relates generally to awnings or canopies made of sheet metal, wood or plastics forming a rigid structure which can remain in a fixed position over long periods of time, or, be removed at the individual's discretion.

An object of this invention is to provide a novel and improved awning made of selected ones of the above materials which offers protection against rain, sun and snow; at the same time admitting air and light.

Another object of the invention is to provide an easy method of removing the awning and collapsing same for storage or shipping purposes. The most important object of this awning is to provide complete ventilation of the roof while maintaining a simplicity of construction. This is accomplished by suspending the side members by means of hinges which are attached to the channels that are fixed to the roof. Also, the valance which is suspended from the roof by means of hinges.

The object of gaining ventilation is accomplished without any special preparation or special cutting, notching, bending or forming of the materials to provide apertures, but merely by placing and fastening the side members and the valance in position under the roof, thereby automatically creating apertures for ventilation purposes. Also, by adding a flashing plate which acts as a cover for natural openings as well as a support for the hanging of said awning.

All of the above objects are accomplished through the use of corrugated metals, wood or plastics, either the square or sinusoidal corrugation; the sinusoidal corrugation being preferable.

The above objects of the invention, together with further advantages, will become more apparent from a consideration of the detailed specifications taken in connection with the drawing, wherein:

Figure 1 is a front view showing the improved awning embodying this invention;

Figure 2 is a side elevation of Figure 1;

Figure 3 is a view looking up at the underside of the awning shown in Figure 1 showing the relationship and relative positions of the roof, side members, the valance, and the flashing plate connected to the roof; the dotted lines show one of the positions of the side members during the folding operation;

Figure 4 is a sectional view taken along line 4-4 of Figure 3;

Figure 5 is a plan view of the under side of the awning showing the valance and side members folded against the roof; and

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Figure 6 is an end view of the awning looking in direction of arrows 6-6 shown in Figure 5 showing the valance and side members folded against the roof.

Similar reference characters refer to similar parts throughout the drawings.

In the construction shown in the drawings the corrugated roof 10 is attached to a flashing plate 11 that is preferably bent to afford an overhanging edge to act as a support for the awning. The flashing plate acts as a cover for protection against rain, snow, and sun while providing apertures for the full width of the roof for ventilation without any additional cutting, forming or bending to gain same. Channel members 14 are attached transversely to the underside of the roof 10 and are provided with holes 15, 16, 17 and 18 to receive bolts 19 that pivotally support channel hinges 20 and 21 attached to the side members 22. It will be noted that the spacing between the holes 15 and 16 for the hinge 20 is shorter than the spacing between the holes 17 and 18 in hinge 21, this allows the side members 22 and their strengthening angles 23 to be collapsed or folded against the roof by removing the bolts and nuts 19. The side members 22 are made of corrugated material of suitable dimensions. The corrugations used in the roof 10 overlap the side members 22 thereby concealing the effected apertures from rain, snow and sun while still allowing a free flow of air from beneath said roof 10 over the top of the side members 22. The valance 24 is cut from a piece of corrugated material to any optional size and fastened beneath the roof 10 by means of a hinge 25 which will allow said valance 24 to be suspended beneath said roof 10, thereby creating natural apertures for ventilation and light. Also, said valance 24 is fastened sufficiently distant from the end of the roof 10 to afford protection against sun, rain and snow. Each end of said valance 24 is fastened to the side members 22 by means of bolts and nuts 26, thus affording rigidity to the entire structure. The valance 24 can be readily moved to a position parallel against the roof 10 by removing the nuts and bolts located at each end of the valance 24 and side members 22 and tilting same upward toward the roof 10. The angles 23 reinforce the side members 22 and extend from a point near the channel 14 located near the valance and extends to the fastening point on the wall or windows of a building. The fastening may be effected by bolting or otherwise fastening it to an eye bolt (not shown) which is fastened to the wall or building.

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While but one general form of the invention is shown in the drawings and described in the specification, it is not desired to limit this application for patent to this particular form, as it is appreciated that other forms of construction could be made that would use the same principles and come within the scope of the appended claims.

Having thus described the invention, what is claimed is:

1. An awning, said awning comprising a sloping roof of a suitable corrugated material forming a plurality of ridges and valleys, side members and a valance similarly corrugated, said awning also having a flashing plate attached to the top of the roof at the upper side thereof, one edge of the said plate being spaced from the upper edge of the roof while the other edge of the said plate overhangs said edge of the roof, providing protection against rain, sun and snow, while leaving concealed openings between the flashing plate and the valleys of the roof corrugations for ventilation and light purposes without any additional special provisions, and

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the said flashing plate being bent, affording an overhanging edge acting as a support for the awning.

2. An awning comprising a sloping roof of a suitable corrugated material forming a plurality of ridges and valleys, side members and a valance similarly corrugated and a flashing plate attached to the upper edge of the roof, the valance being attached to the roof affording natural apertures for ventilation and light purposes between the top edge of the side members and valance and the bottom side of the roof, the side members and valance being collapsible against the roof.

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