July 27, 1954 L. C. LETZKUS 2,684,507

AWNING STRUCTURE

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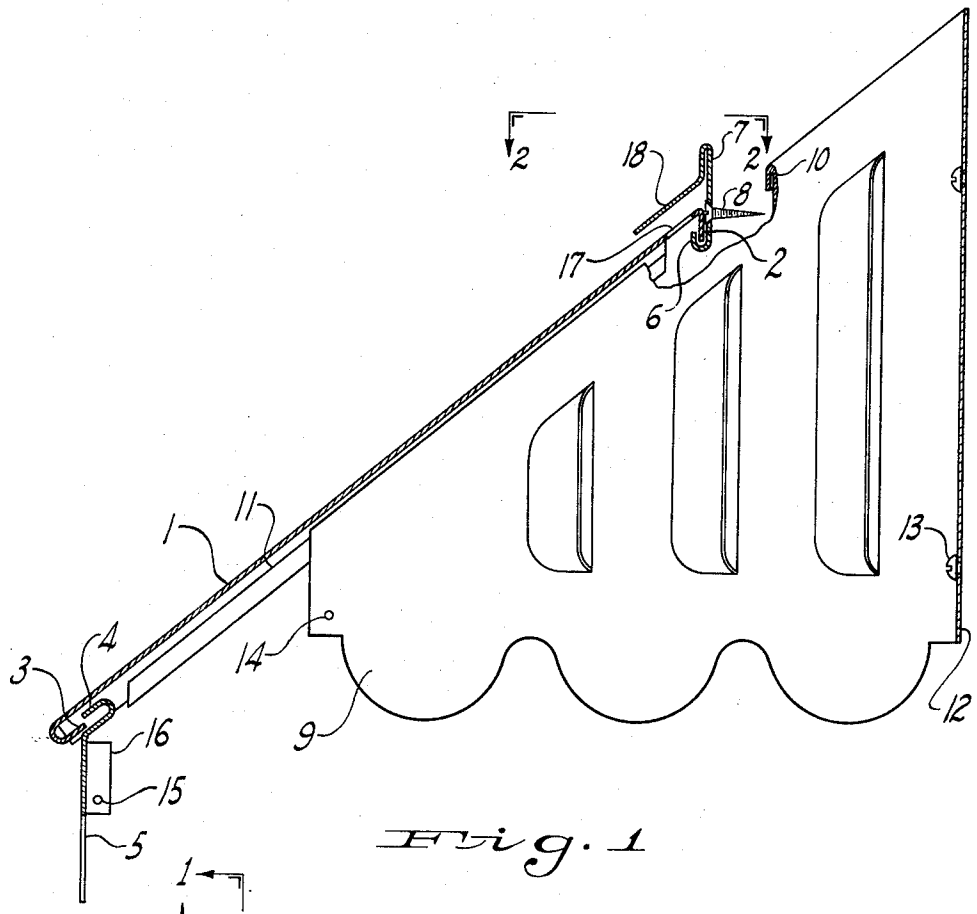


Fig. 1

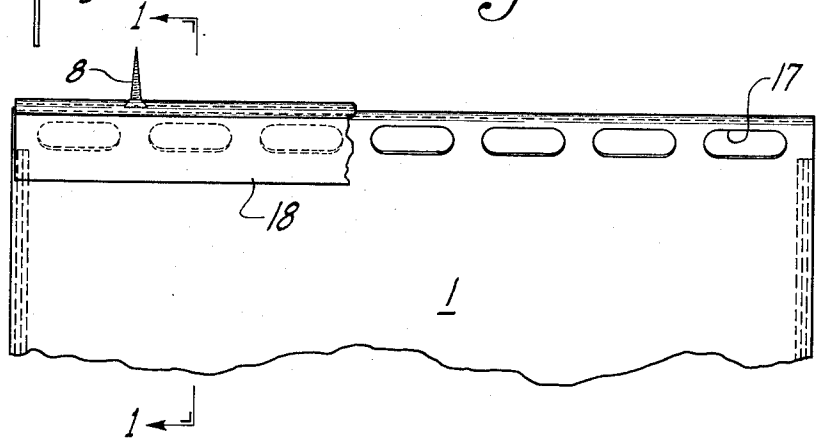


Fig. 2

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AWNING STRUCTURE

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Application February 10, 1951, Serial No. 210,340

1 Claim. (Cl. 20—57.5)

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This invention relates to metal awnings, and the present application is a continuation-in-part of an application filed by me on March 8, 1950, Serial No. 148,470.

In the aforementioned application the roof or cover, side rafter members and the front valance of a metal awning are assembled in interlocking relation. In accordance with the present invention, provision is made for supporting the awning on a wall bracket and for providing a shielded vent at the point of attachment, the supporting wall bracket and shield being designed to interlock with the cover member.

The invention will become more apparent from a consideration of the accompanying drawing, constituting a part hereof, in which like reference characters designate like parts, and in which:

Fig. 1 is a vertical cross-sectional view, partially in elevation, taken along the line 1—1, Fig. 2, of an awning structure embodying the principles of this invention; and

Fig. 2 a top plan view thereof.

With reference to the several figures of the drawing, numeral 1 designates the roof of an awning which is provided with a flange 2 at its upper end and a U-shaped flange portion 3 at its lower end for receiving a complementary shaped portion 4 of the valance or front 5 of the awning. The depending flange portion 2 interlocks with a turned-up end 6 of a wall bracket, generally designated by the numeral 7, having perforations for screws 8 for attachment to a door or window frame or directly to a building wall. The rafter pieces designated by the numeral 9 have turned under edges 10 which interact with turned up edges 11 of the roof portion 1 and are provided with wall flanges 12 having perforations for receiving screws 13 by which they are attached to a wall or frame structure.

When completely assembled with the rafter portions 9 slid down the up-turned elements 11 of the roof structure 1, the perforations 14 of the rafter portion will register with the perforation 15 of a flange 16 integrally formed with the valance portion 5 for receiving a sheet metal screw to hold the interlocked roof, rafter and valance members against displacement.

One of the features of the present invention is the provision of vent openings 17 in the roof

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structure to provide for free circulation of air within the awning and a shelter portion 18 on the wall bracket 7 to prevent ingress of rain through the vent openings 17. The protective portion or apron 18 is at substantially the same angle as the slant of the roof portion 1 forming parallel walls for an air space.

From the above description it will be evident that the wall bracket of the particular design shown serves the dual purpose of an interlocking support for the awning roof and a protective apron that permits the use of vent openings 17 which are protected against rain while permitting free circulation of air beneath the awning structure.

Although one embodiment of the invention has been herein illustrated and described, it will be evident to those skilled in the art that various modifications may be made in the details of construction without departing from the principles herein set forth.

I claim:

An awning structure comprising a roof portion of sheet material having a depending flange at the top and vent openings extending transversely of said roof portion spaced below said flange, rafter pieces secured to the sides of said roof portion and a wall bracket for mounting said awning on a vertical support, said wall bracket being in the form of a strip of a length substantially the width of the awning roof and having an upturned flange for receiving the depending flange of the upper end of the roof portion, the upper edge of said bracket being folded upon itself to form a structural section, the free edge of which is flared outwardly to constitute a flange that extends over the awning roof vents at an angle corresponding to the pitch of the awning roof.

References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
2,251,572	Kuhn et al.	Aug. 5, 1941
2,480,447	Cate	Aug. 30, 1949
2,565,294	Bain	Aug. 21, 1951
2,618,821	Corn	Nov. 25, 1952