

Dec. 28, 1948.

F. G. LEWIS

2,457,574

AWNING

Filed Aug. 18, 1947

2 Sheets-Sheet 1

Fig. 5.

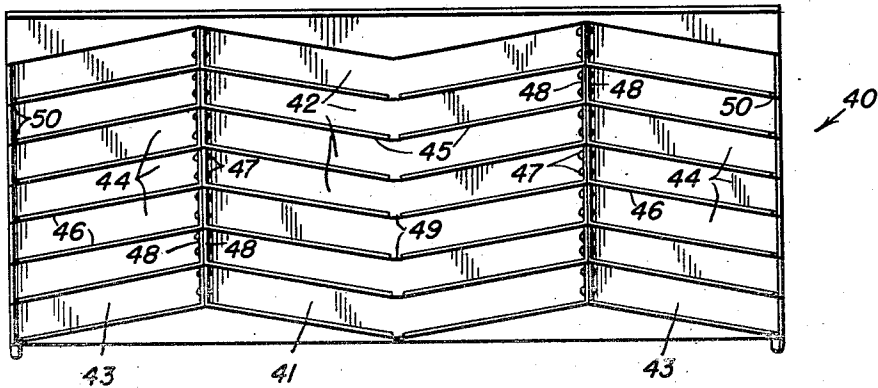
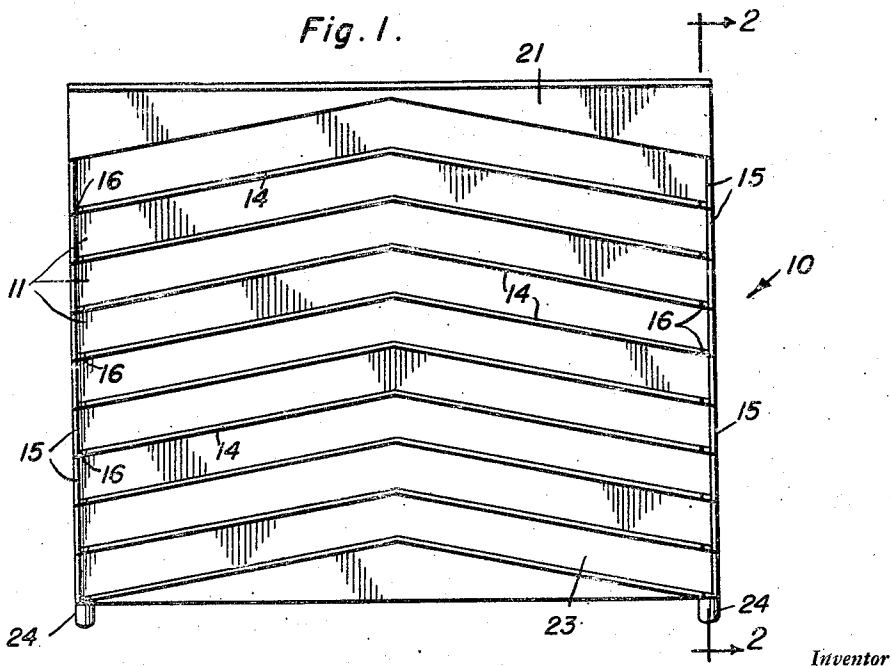


Fig. 1.



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Fig. 3.

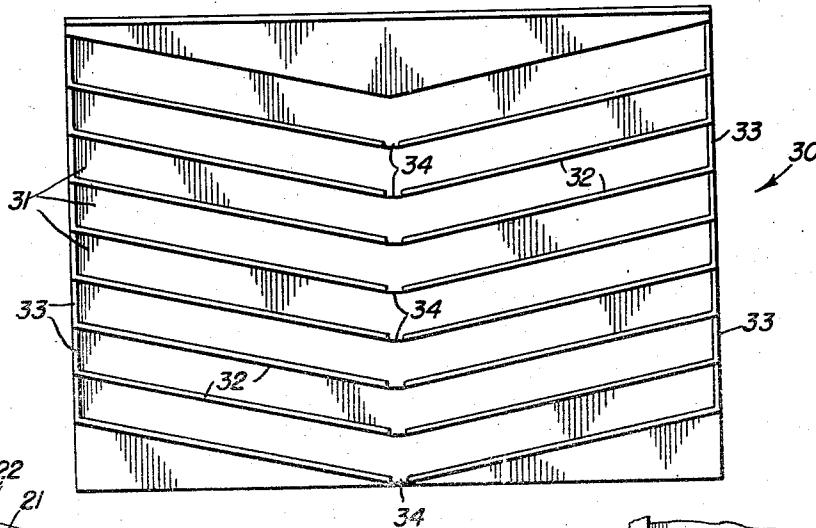


Fig. 2.

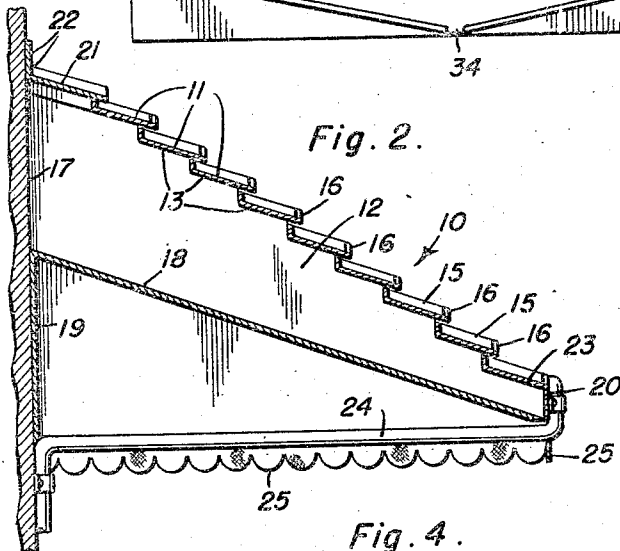


Fig. 4.

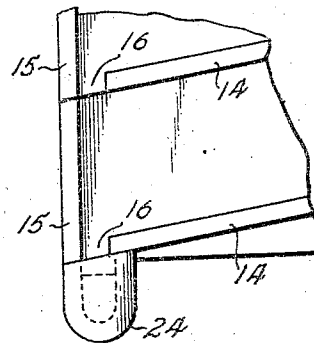
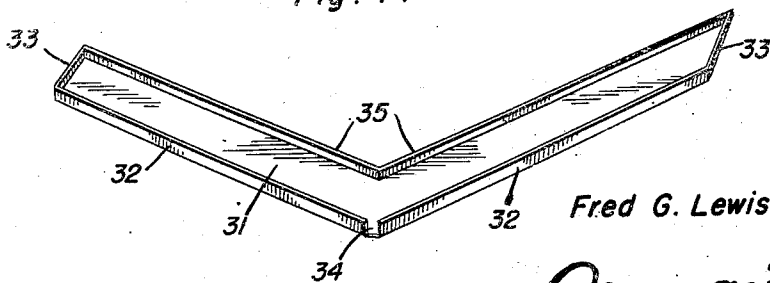


Fig. 6.

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UNITED STATES PATENT OFFICE

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AWNING

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3 Claims. (Cl. 20—57.5)

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This invention relates to new and useful improvements and structural refinements in awnings, and the principal object of the invention is to provide a device of the character herein described, in which particular precautions are taken to facilitate proper drainage of rain water therefrom, in order that the water would not run thereunder and onto persons who may be standing or passing under the same.

A further object of the invention is to provide an awning which is simple in construction, pleasing in appearance, and which will readily lend itself to economical manufacture.

Another object of the invention is to provide an awning which, in the form of sections, may be effectively arranged in a juxtaposed formation, so as to provide an awning structure of any desired length.

An additional object of the invention is to provide an awning which is otherwise well adapted for the purpose for which it is intended.

With the above more important objects in view and such other objects as may become apparent as this specification proceeds, the invention consists essentially of the construction and arrangement of parts as shown in the accompanying drawings in which—

Figure 1 is a top plan view of the invention;

Figure 2 is a cross-sectional view, taken substantially from the plane of the line 2—2 in Figure 1;

Figure 3 is a top plan view showing the modified embodiment of the invention;

Figure 4 is a perspective view of one of the V-shaped plates used in the embodiment shown in Figure 4;

Figure 5 is a top plan view of the still further modified embodiment of the invention.

Figure 6 is a fragmentary detail view upon an enlarged scale of a portion of Figure 1, disclosing the construction of the drain apertures.

Like characters of reference are used to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, more particularly to the Figures 1 and 2, the invention consists of an awning designated generally by the reference character 10, the same embodying in its construction a plurality of substantially V-shaped plates 11 arranged in a spaced, overlapping relation, which arrangement is facilitated by supporting the plates by means of suitable end members 12 formed with a series of notches 13, as is best shown in Figure 2.

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The essence of the invention resides in the formation of upturned flanges 14, 15 at the lower and side edges of the plates 11 respectively, the flanges 14 being spaced from the flanges 15 so as to provide drain openings 16, as will be clearly apparent from Figure 6.

The end members 12, together with the associated plates 11 are secured to the wall 17 of the building, or the like, by a base plate 18 secured to the end members 12 and provided with a wall engaging portion 19 and with a front piece 20. It will be also noted that the uppermost of the plates 11 designated by a separate reference character 21 is secured to the building wall 17 as indicated at 22, and when the invention is placed in use, the water will be drained successively over the plates 11 through the aligned drain openings 16 down to the lowermost of the plates indicated at 23. However, to prevent water from "dripping" from this lowermost plate, a pair of suitable drain pipes 24 are provided, as will be clearly apparent from the accompanying Figure 2. The drain pipes, in addition to their primary purpose of draining water from the plates 11 also function in an effective manner for assisting to support the entire awning structure on the wall 17.

Finally, it will be noted that the end members 12 as well as the front piece 20 are provided with a continuous curtain 25 which may be removably secured in position by means of suitable retaining clips (not shown).

Referring now to the accompanying Figures 3 and 4, the modified embodiment of the invention designated generally by the reference character 30 is substantially similar to that already described, insofar that it consists of a plurality of substantially V-shaped plates 31 arranged in a spaced, overlapping relation and supported by a suitable end member structure (not shown).

The plates 31 are provided at the lower and side edges thereof with upturned flanges 32, 33, respectively, but it will be noted that while in the awning 10 the lower flanges 14 extend downwardly and outwardly, the flanges 32 in the awning 30 extend outwardly and upwardly. As a result, the water on each of the plates 31, drains toward the "apex" of the plates, at which point the flanges 32 are mutually spaced to provide suitable drain openings 34.

It may be added that both in the awning 10 and in the awning 30, the respective plates 11 and 31 may also be formed at the upper edge thereof with upturned flanges as indicated at 35 in Figure 4, so as to prevent the possibility of

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water gaining access under the plate, as will be clearly apparent.

Referring now to the Figure 5 which illustrates a still further modified embodiment of the invention designated generally by the reference character 40, the embodiment herein shown represents what may be referred to as a combination of the awnings 10 and 30, insofar that it consists of an intermediate section 41 formed by a plurality of V-shaped plates 42 and flanked by a pair of end sections 43.

The section 43 also consists of the plurality of V-shaped plates 44, but it will be noted that while the flanges 45 of the plates 42 extend upwardly and outwardly, the flanges 46 of the plates 44 extend outwardly and downwardly. The awning sections 43 are connected to the sections 41 by suitable rivets 47 which secure together the upturned side flanges 48 with which the plates 42, 44 are provided.

The plates 42 are drained through suitable openings 49 formed between the flanges 45, while the plates 44 are similarly drained through the openings 50 formed at the outer end of the flanges 46.

It will be apparent that in this manner, a plurality of sections may be secured together in a juxtaposed formation, so as to form an awning of any desired length.

It is believed that the advantages and use of the invention will be clearly apparent from the foregoing disclosure and accordingly, further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown

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and described the preferred embodiment of this invention it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What I claim as my invention is:

1. An awning comprising in combination, a plurality of substantially V-shaped plates arranged in a spaced, overlapping relation, a pair of end members supporting said plates in an inclined position, and upturned flanges provided at the lower edges of said plates, said flanges on each plate being mutually spaced to provide a drain opening therebetween.

2. An awning comprising in combination, a plurality of substantially V-shaped plates arranged in a spaced, overlapping relation, a pair of end members supporting said plates in an inclined position, and upturned flanges provided at the lower and side edges of said plates, said lower flanges being spaced from said side flanges to form a series of aligned drain openings.

3. An awning comprising in combination, a plurality of substantially V-shaped plates arranged in a spaced, overlapping relation, a pair of end members supporting said plates in an inclined position, and upturned flanges provided at the edges of said plates, said flanges at the lower edges of each plate being spaced to form a drain opening therebetween.

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No references cited.