July 14, 1953 W. I. SMITH 2,644,990

SECTIONAL METALLIC AWNING

Filed March 13, 1951

FIG. 3

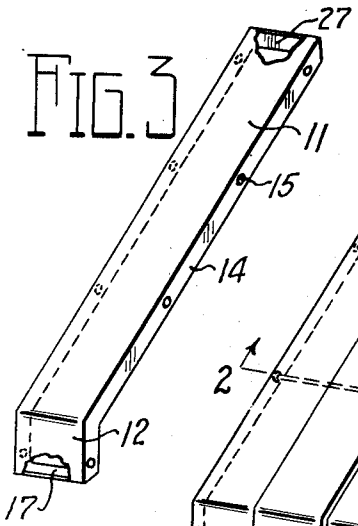


FIG. 1.

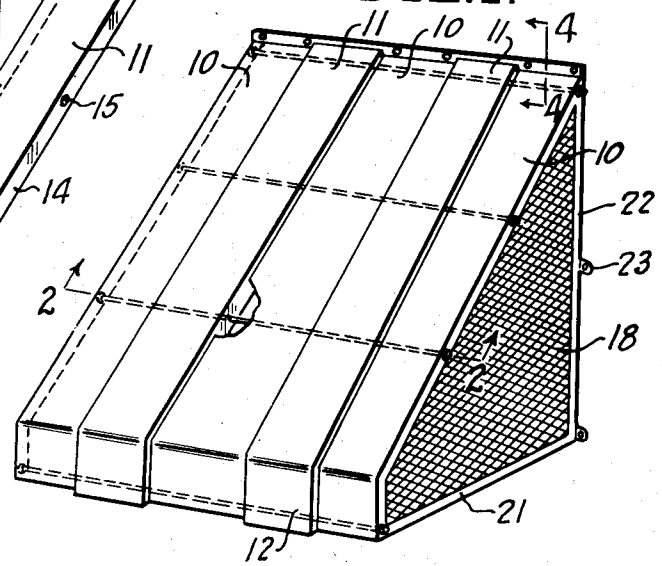


FIG. 2.

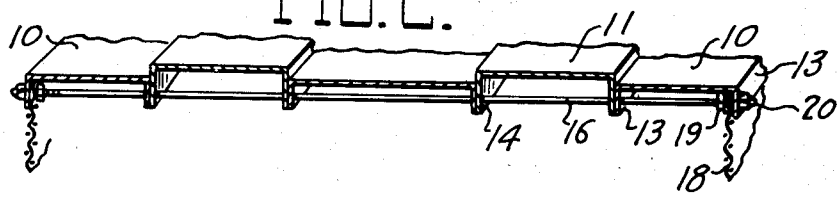


FIG. 4.

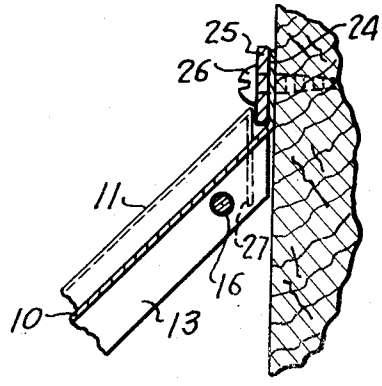
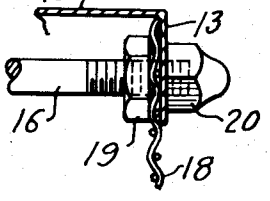


FIG. 5



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SECTIONAL METALLIC AWNING

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1 Claim. (Cl. 20—57.5)

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This invention relates to sectional metallic awnings, and an object is to produce a new and improved awning of this character which is sturdy in construction, easy to assemble, simple to install, economical to manufacture on a quantity basis, and has the novel features of construction, arrangement and assembly hereinafter described.

For purposes of illustration but not of limitation, an embodiment of the invention is shown in the accompanying drawing, in which

Figure 1 is a front perspective view of the awning in assembled condition;

Figure 2 is an enlarged transverse sectional view on the line 2—2 of Figure 1;

Figure 3 is a perspective view of one of the awning panels which is formed with a downturned flange at its upper end;

Figure 4 is a fragmentary enlarged sectional view on the line 4—4 of Figure 1; and

Figure 5 is an enlarged fragmentary sectional view of one of the marginal panels showing the manner in which the tie rod and the side screen is connected thereto.

The illustrated embodiment of the invention comprises a sheet metal awning having a body composed of a series of parallel downwardly inclined panels 10 which alternate with panels 11. Each of the panels has an integral downturned lower edge portion 12. The panels 10 and 11 are similar to each other, although certain differences in construction exist between these two types of panels. The panels 10 are formed on each longitudinal side with downturned flanges 13. Similarly the panels 11 are formed with integral downturned flanges 14 but which are slightly longer than the flanges 13 of the panels 10. In each of the panel flanges 13 and 14 at points equi-distantly spaced from the free edges thereof are apertures 15 through which tie rods 16 extend. As shown, a tie rod is disposed adjacent the upper end of each of the panels, two in intermediate portions of the panels and another one near the free ends of the downturned portions 12. The arrangement is such that the panels 11 project upwardly a slight distance above the panels 10. This enables the panels 11 to be differently colored from the panels 10 as desired, to present a pleasing and attractive appearance. At the free end of each of the downturned panel portions 12 is an inturned flange 17.

Closing each side of the awning is a metallic screen 18 which is clamped to the under side of the outer panel flange 13 by a nut 19 engaging the threaded outer portions of the tie rods 16 which extend through the screen. On the outer face of the flanges 13 and threadedly engaging the free ends of the tie rods 16 are nuts 20. By tightening the nuts 19 and 20, not only are the panels secured together but also the edge portions of the screens 18. A channel-shaped strip 21 engages the lower edge of each screen 18 and a similar strip 22 engages the rear vertical edge of each screen 18, the latter having laterally extending apertured tabs

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23 to receive screws for attaching that portion of the awning to the building structure.

At the upper end of each of the panels 10 is an integral upwardly inclined end portion 24 and a metallic header bar 25 extends horizontally along the upper end of the awning covering the end portions 24, these parts being apertured to receive screws 26 for securing the upper portion of the awning to a building structure, as shown in Figure 4. The upper ends of the panels 11 have downturned end portions 27 as shown in Figure 4, these portions being in parallel spaced relation to the upturned ends 24 with the upper portion thereof in close juxtaposition to the lower portion of the header bar 25.

From the above description, it will be apparent that I have produced an exceedingly simple sheet metal awning, the sections or panels of which can be readily and conveniently assembled by merely applying the tie rods as above described. Although the alternating panels are slightly different from the others, the various parts can be economically manufactured on a quantity basis. The width of the awning can be varied as desired by merely employing a greater or lesser number of panels. After the parts are assembled, the mounting of the awning in position of use can be simply achieved by applying the header bar 25 and screws through the apertures provided therefor. Screws applied to the apertured tabs 23 secure that portion of the awning in place.

It is to be understood that numerous changes in details of construction, arrangement and operation may be effected without departing from the spirit of the invention especially as defined in the appended claim.

What I claim is:

An awning comprising a body having a plurality of parallel downwardly inclined sheet metal panels, downturned flanges on opposite longitudinal sides of said panels arranged so that flanges of adjacent panels are in abutment, the flanges of alternate panels being longer than the others, registering apertures in the flanges of the several panels spaced equi-distantly from the free edges thereof, a tie rod extending through said apertures for detachably connecting together the panels, upwardly inclined apertured upper end portions on the panels having shorter flanges, downwardly inclined end portions on the panels having longer flanges, and a header bar covering said upwardly inclined end portions and apertured to receive screws for fastening the awning in place.

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