April 17, 1956 F. M. MORENO 2,741,810

AWNINGS

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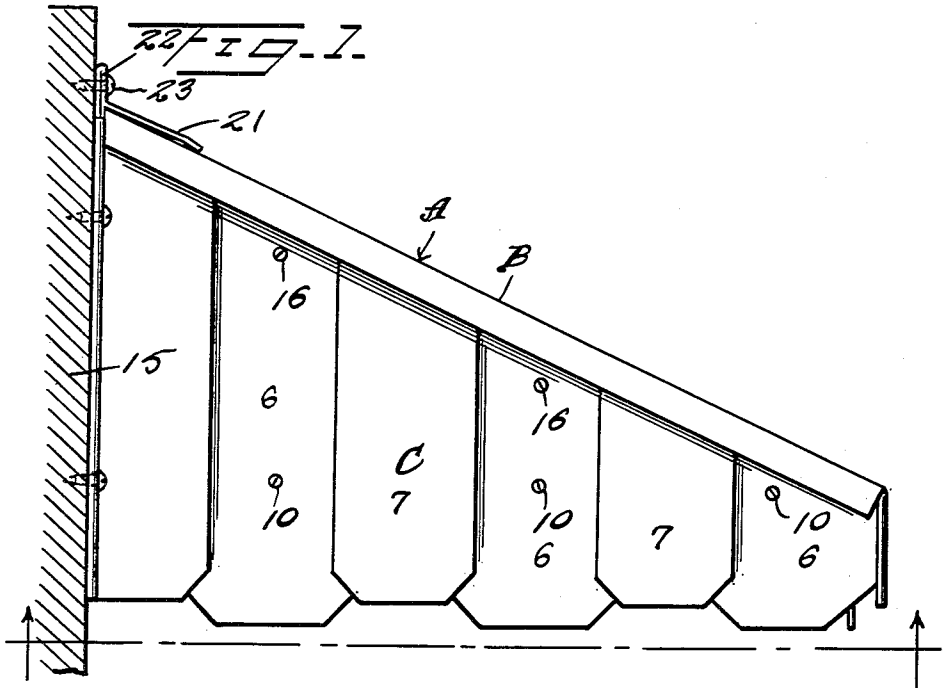


FIG. 1.

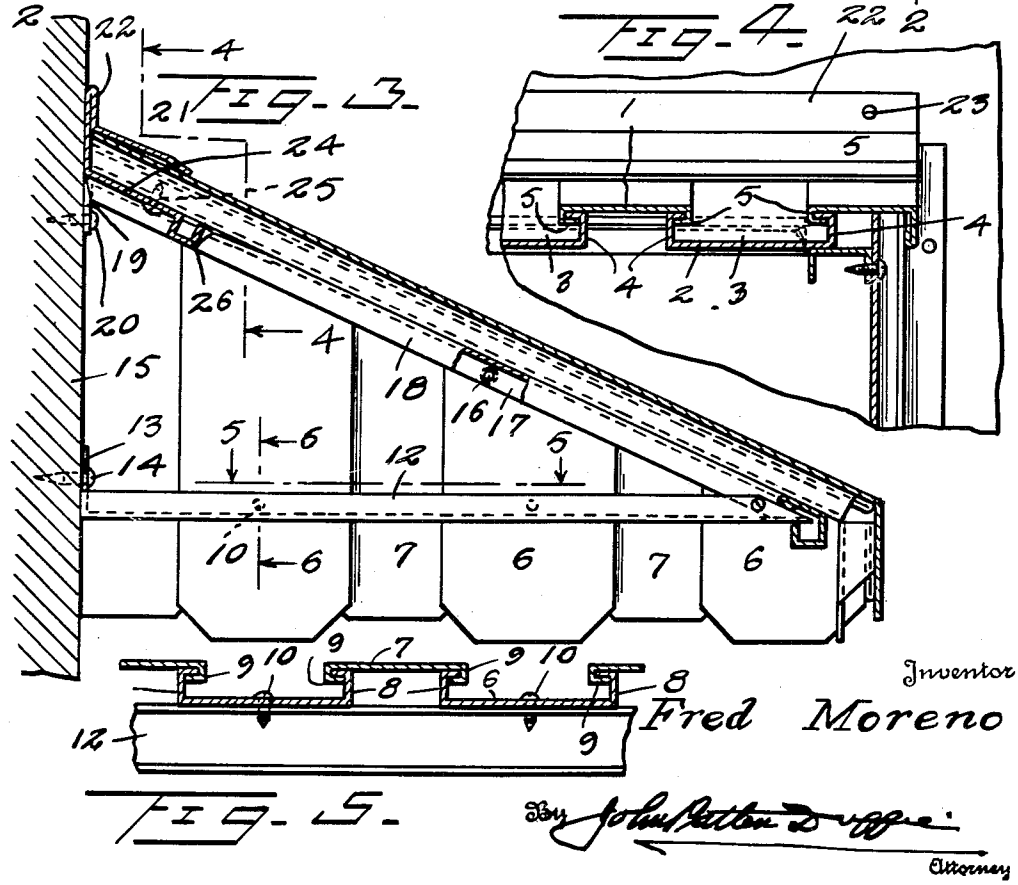


FIG. 3.

FIG. 4.

FIG. 5.

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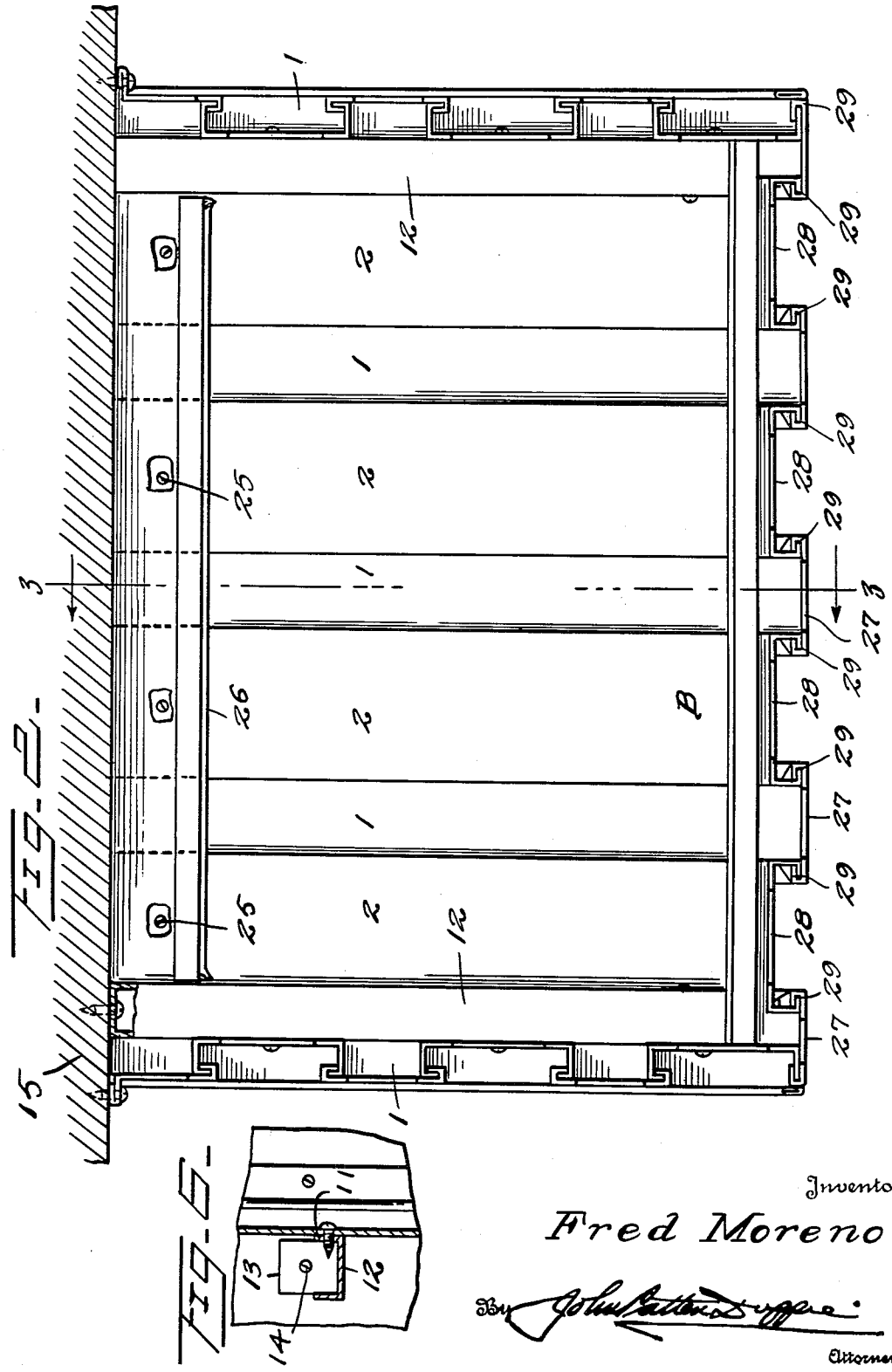


FIG. 2.

FIG. 6.

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AWNINGS

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Application May 5, 1952, Serial No. 286,138

1 Claim. (Cl. 20—57.5)

This invention relates to new and useful improvements in awnings.

The primary object of my invention is to provide a locked seam metal awning made from aluminum, galvanized or other flat sheet metal, and in which the component parts are so locked together as to make the awning strong and durable.

A further object of my invention is to provide an awning of the character specified in which scrap metal may be utilized if desired in producing the awning at an economical cost.

With the foregoing and other objects in view that will appear as the nature of my invention is better understood, the same consists in the novel features of construction, combination and arrangement of parts illustrated in the accompanying drawings and more particularly pointed out in the appended claim.

In the accompanying drawings, which are for illustrative purposes only and are therefore not drawn to scale:

Figure 1 is an end view of an awning constructed in accordance with my invention.

Figure 2 is a horizontal section, taken on line 2—2 of Figure 1.

Figure 3 is a vertical transverse section, taken on line 3—3 of Figure 2.

Figure 4 is a detail transverse section, taken on line 4—4 of Figure 3.

Figure 5 is a horizontal section, taken on line 5—5 of Figure 3, and Figure 6 is a detail vertical transverse section, taken on line 6—6 of Figure 3.

Referring to the drawings for a more particular description of my invention, and in which drawings like parts are designated by like reference characters throughout the several views, A designates the awning, as a whole, essentially comprising the downwardly inclined or slanting top portion B and end portions C.

The top portion B is composed of an alternating series of flat metal strips 1 and 2, respectively, of less and greater width, with the wider strips 2 positioned somewhat below the strips 1 and forming water troughs 3. In carrying out this objective, the side edges of the wider metal strips 2 are formed with upwardly extending rightangularly bent flanges 4, which are disposed in interlocking relation with the inwardly bent flanges 5 formed at the side edges of the strips 1, thus at the same time providing water-tight seams that are very strong and durable.

The end portions C of the awning are composed of the flat metal strips or shingles 6 and 7, respectively, of greater and less width, which are arranged in alternating relation, as shown, with the wider strips 6 spaced inwardly of the strips 7. The wider strips 6 are formed at their side edges with longitudinal flanges 8 which are disposed in interlocking engagement with the inwardly

bent flanges 9 formed at the side edges of the strips 7, forming durable water-tight seams. In carrying out my invention, the wider end strips 6 are fastened by screws 10 or other equivalent means to the outer walls 11 of the horizontal supporting members 12 of U-shape form in cross section. The inner ends of the supporting members 12 are formed with upwardly extending flanges 13 fastened by screws 14, or the like, to the wall or support 15.

The wider strips 6 of the end portions C of the awning, are also fastened by means of the screws 16 to the outer side walls 17 of the downwardly inclined supporting members 18 of substantially U-shape form in cross section. The supporting members 18 are formed at their upper or inner ends with the depending flanges 19 secured by means of the fastening screws 20 to the wall or support 15.

A metal guard strip 21 extends transversely across the inner ends of the strips 1 of the top portion B of the awning and said guard strip is bent upwardly at one end and then downwardly upon itself to form a securing base 22, secured by means of the fastening screws 23 to the wall or support 15. The lower end of the base 22 is extended forwardly at an inclination in substantial parallelism with strip 21 to form the support 24, which fits under and against the upper ends and bottom faces of the wider strips 2 of the top portion B, to which strips it is fastened by means of the fastening screws 25. The outer edge of the support 24 terminates in a water-trough 26 extending throughout the length of support 24, of substantially U-shape form in cross section, which serves to catch any back-up or overflowing water and permits it to run off at the ends of the awning.

The front ends of the strips 1 and 2 of the top portion B are bent downwardly to form tongues 27 and 28, respectively, which are rigidly connected together at their adjacent edges by the seams 29.

From the foregoing description taken in connection with the drawings, it is thought that the construction, operation and advantages of my invention will be readily understood, without requiring a more extended explanation.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is:

A locked seam awning comprising an inclined top portion composed of a series of longitudinally channeled flat metal strips, interlocking elements on the longitudinal edges of said strips, a guard strip comprising an elongated plate overlying said awning at one end and disposed transversely thereof, a securing base integral with one end of said strip and disposed at an angle thereto, a supporting strip integral with said guard strip at its lower end and projecting forwardly therefrom beneath and in supporting engagement with the inner ends of said awning strips and in substantial parallelism with said guard strip, means for fastening said securing base to a building, a gutter at the free end of said supporting strip and extending throughout the length of the latter, and means for securing said supporting strip to said awning strips.

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