

(No Model.)

2 Sheets—Sheet 1.

T. W. & B. T. WOOD.
AWNING.

No. 427,287.

Patented May 6, 1890.

Fig. 1.

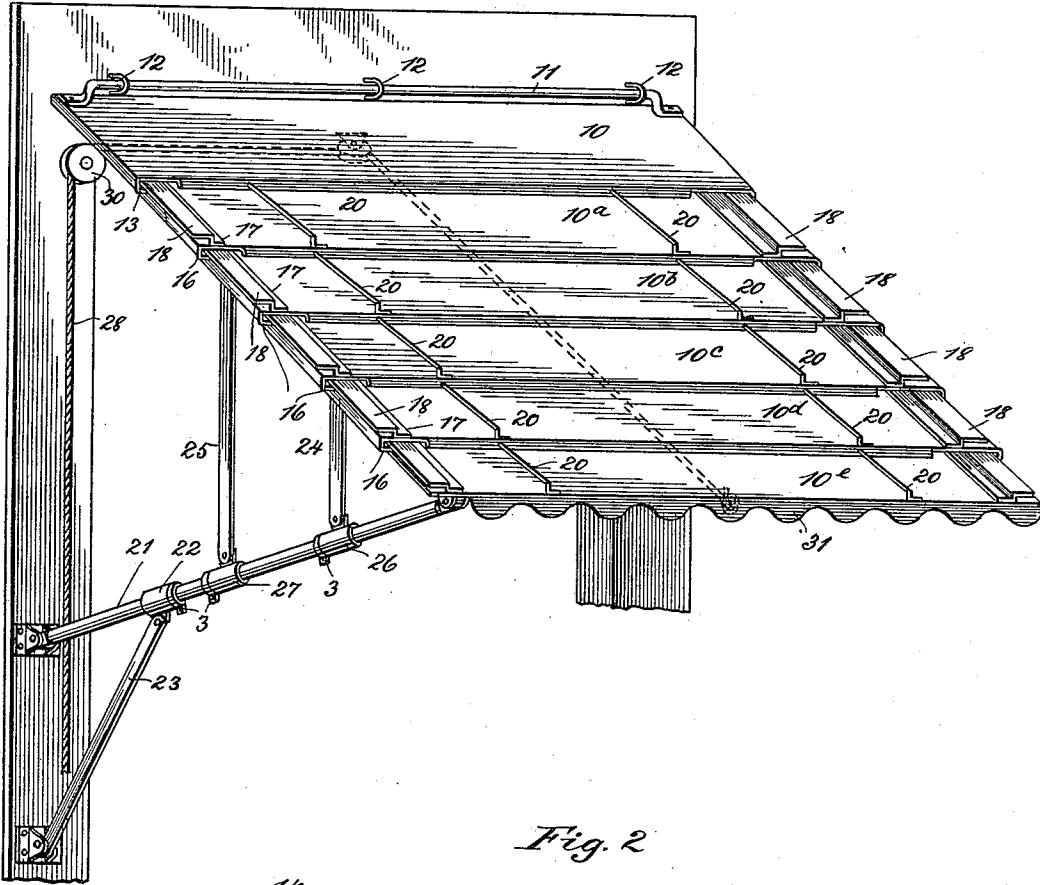
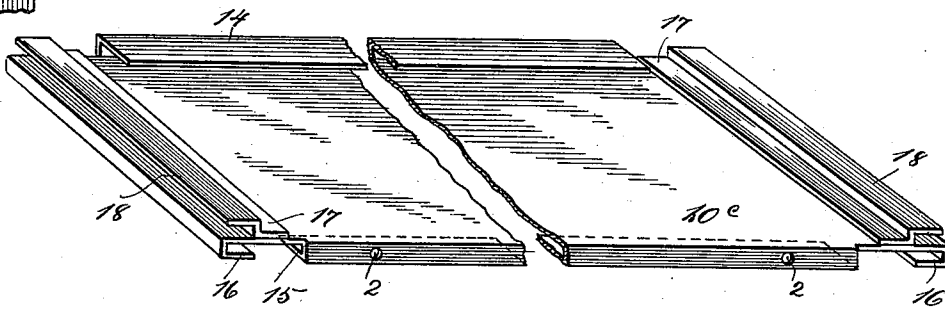


Fig. 2.



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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

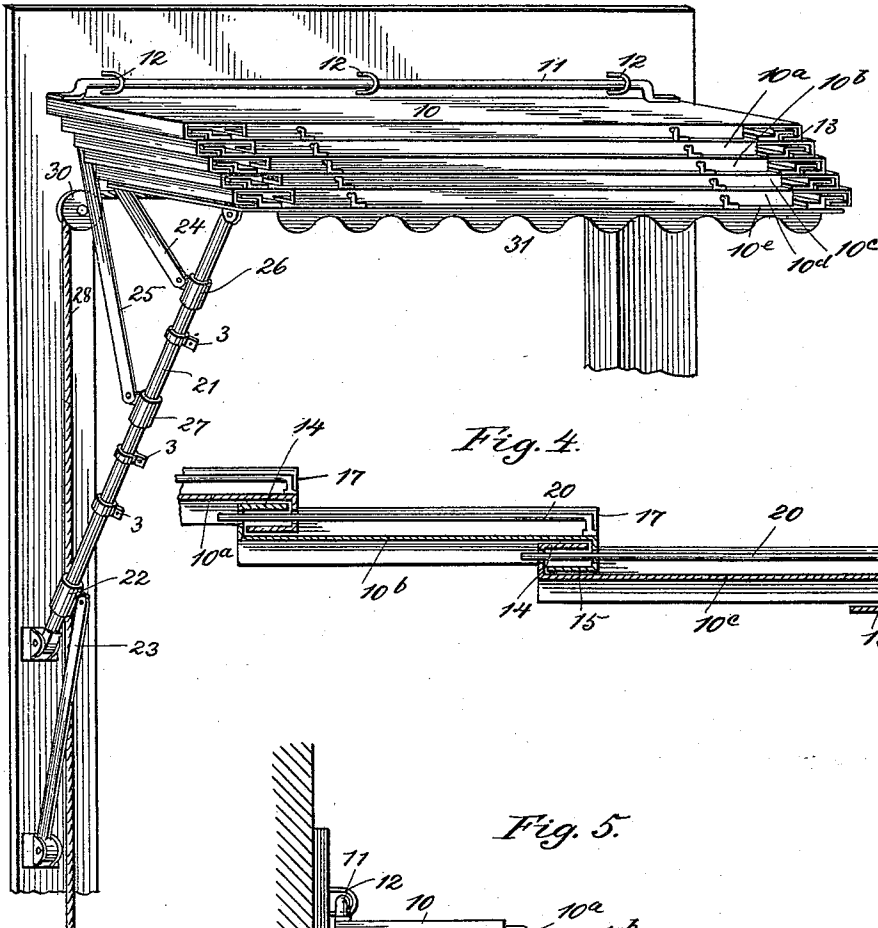


Fig. 4.

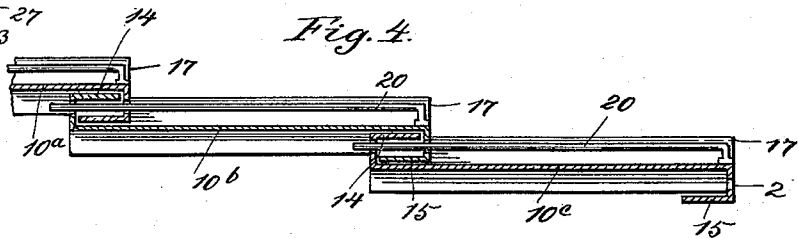
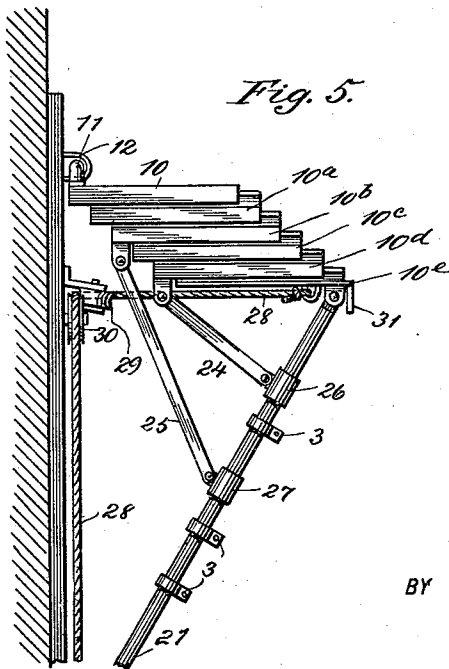


Fig. 5.



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THOMAS W. WOOD AND BERTENA T. WOOD, OF BERLIN, WISCONSIN.

AWNING.

SPECIFICATION forming part of Letters Patent No. 427,287, dated May 6, 1890.

Application filed October 15, 1889. Serial No. 327,115. (No model.)

To all whom it may concern:

Be it known that we, THOMAS W. WOOD and BERTENA T. WOOD, of Berlin, in the county of Green Lake and State of Wisconsin, have invented a new and Improved Awning, of which the following is a full, clear, and exact description.

This invention relates to extensible metallic roofs or awnings, the object of the invention being to improve and cheapen the construction of such awnings, and at the same time provide for the firm support of the several awning-sections; and to the ends named the invention consists of certain novel constructions, arrangements, and combinations of elements, to be hereinafter described, and specifically pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar numerals of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of an awning embodying the invention, the parts being represented as they are when in the extended position. Fig. 2 is a perspective view of one of the awning-sections. Fig. 3 is a perspective view of the awning as it appears when folded. Fig. 4 is a cross-sectional view of a portion of the awning, and Fig. 5 is a side view of the awning as it appears when folded.

The awning forming the subject-matter of this application is made up of a number of sections 10 10^a 10^b, &c., the section 10, which is the upper section, being provided with a rod or bar 11, arranged slightly above the upper face of the awning-section and in a manner such that the section 10 may be secured to the window-casing or door-frame by staples 12 or other proper connecting devices. The section 10 is formed with inwardly-extending side flanges 13 and a lower flange which extends beneath the main body of the section and upward toward the upper edge of the section. The sections 10^a 10^b, &c., are formed with upper flanges 14, which extend downward over the upper faces of the sections, and with lower flanges 15, which extend upward beneath the main bodies of the sections. The sections last referred to are also formed with end flanges 16, that extend inward beneath the section-bodies, and to the upper faces of the sections there are secured

plates 17, that are bent to form flanges 18, as is clearly shown in the drawings. In connecting the sections the flanges 18 are adjusted so that they will interlock with the flanges 16, as best shown in Figs. 1 and 3, the flanges 14 and 15 preventing all undue expansion of the awning-sections.

In order that the sections may be steadied and to a certain extent guided, each of the lower sections is provided with rods 20, which rods pass through apertures 2, that are formed in the downwardly-extending sections of the flanges 15, as is shown in Figs. 1 and 4.

To each side of the window-casing or door-frame there is hinged or pivotally connected a rod 21, and this rod is in turn pivotally connected to the lower awning-section; and in order that the rod may be supported there is mounted thereon a sleeve 22, and to this sleeve is pivotally connected a brace 23, that is in turn pivotally connected to the window-casing or door-frame, as is represented in the drawings. The main body of the awning is supported by intermediate braces 24 and 25, such braces being pivotally connected to the awning-sections and to sleeves 26 and 27, that are mounted on the rods 21, any proper form of stop being arranged in connection with the sleeves 26, 27, and 22—such, for instance, as bands 3, that are clamped to the rods 21.

In order that the awning may be raised or lowered at will, a rope 28 is connected to the lower section, and this rope is led about sheaves 29 and 30, the lower end of the rope extending downward to within reach of the operator.

Although not positively essential, it is preferred that the lower awning-section be provided with an ornamental flange, as 31, such flange giving the effect of a cornice to the awning when the several sections are moved into the position in which they are shown in Figs. 3 and 5.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

1. In an awning, the combination, with an upper section loosely secured to the window-casing and provided with a lower inwardly-turned flange, of other awning-sections provided with upper and lower inwardly-turned flanges and having the outwardly and in-

wardly turned flanges 18 and 16 on their upper and lower faces, respectively, a brace pivoted to the window-casing and to the awning-section, and means, substantially as described, for raising and lowering said sections, as specified.

2. In an awning, the combination, with a section 10, that is provided with a rod or bar 11 and formed with inwardly-extending flanges 13, of other awning-sections formed with interlocking end flanges, rods 20, carried by the lower awning-sections and arranged to pass through apertures formed in the upper awning-sections, connecting devices which engage the rod 11 and serve to hold the upper awning-section in position, a brace 21, that is hinged to the awning-section and to the door.

or window casing, an operating-rope, and guiding-sheaves over which the rope passes.

3. In an awning, the combination, with sections 10 10^a 10^b, &c., and a means of connecting the section 10 with the door or window casing, of a pivotally-mounted brace 21, that is pivotally connected to the lower awning-section, a brace 23, pivoted to the window-casing and to the brace 21, and braces 24 and 25, pivoted at their lower ends to the brace 21 and at their upper ends to the awning-sections, substantially as described.

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Witnesses:

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