

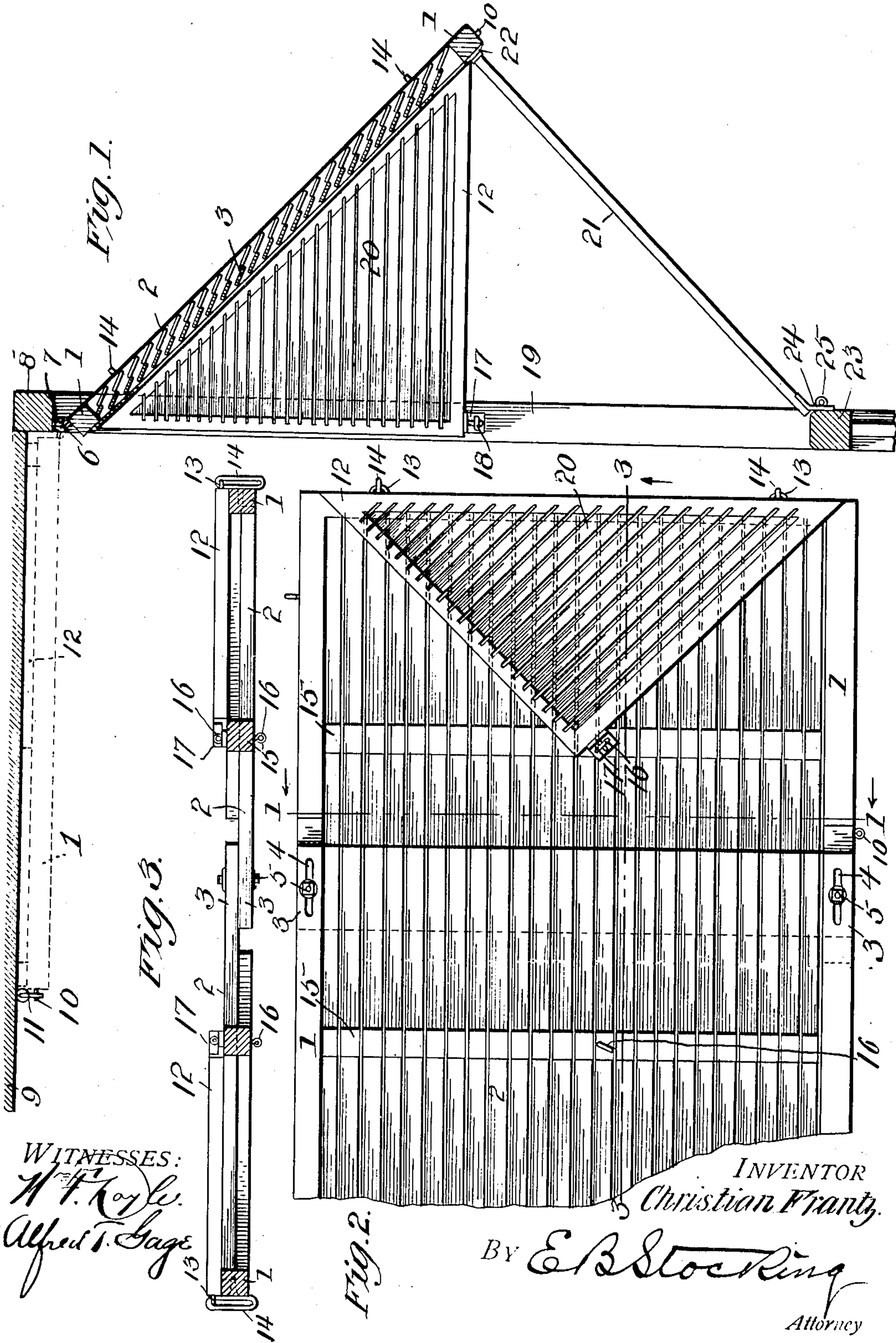
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C. FRANTZ.

PORCH AWNING.

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CHRISTIAN FRANTZ, OF NIAGARA FALLS, NEW YORK.

PORCH-AWNING.

No. 878,284.

Specification of Letters Patent.

Patented Feb. 4, 1908.

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To all whom it may concern:

Be it known that I, CHRISTIAN FRANTZ, citizen of the United States, residing at Niagara Falls, county of Niagara, and State of New York, have invented certain new and useful Improvements in Porch-Awnings, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to a porch awning, and particularly to a structure adapted to be swung out of its position of use and conveniently stored against the ceiling of the porch.

15 The invention has for an object to provide an awning or blind construction pivotally mounted at the upper portion of the porch and adapted to swing from its lowered inclined position of use into a substantially horizontal plane against the roof of the porch when stored.

20 A further object of the invention is to provide a convenient construction of end piece pivotally connected to the awning frame and adapted to be folded against either side thereof when desired.

25 Other and further objects and advantages of the invention will be hereinafter set forth and the novel features thereof defined by the appended claims.

30 In the drawing:—Figure 1 is a vertical section on the line 1—1 of Fig. 2, showing the awning in position for use; Fig. 2 is a partial plan of the awning with the end piece folded thereon, and Fig. 3 is a longitudinal section of the complete frame upon the line 3—3, Fig. 2.

Like numerals refer to like parts in the several views of the drawing.

35 40 The numeral 1 designates the awning frame which may be of any desired construction and covered with either a fabric or metal, and is here shown as formed of a series of blind slats 2 which prevent the entrance of sun and rain under ordinary conditions and yet allow ventilation or the passage of air therethrough. This frame may be of any desired size and for the purpose of conveniently fitting different lengths of porch between the posts thereof the frames have been made in sections, as shown in Figs. 2 and 3 each having a portion 3 which overlaps and is in contact with the other. One of these portions 3 is provided with a slot 4 through which the binding bolt 5 is passed to secure the sections firmly together in their adjusted

position. This arrangement may be used with the slatted awning by disposing the slats 2 of the sections in different parallel planes so that they slide upon each other in the adjustment of the sections.

45 The frame may be supported at its top by means of any desired pivot, for instance, a hook 6 engaging the eye 7 disposed in the top or upper portion of the porch which permits the frame 1 to be swung from the full line position shown in Fig. 1 to its folded or stored position, as shown by dotted lines therein. It is adapted to be secured in contact with the ceiling 9 of the porch or a beam thereof by any preferred connection, for instance, an eye 10 on the frame may be engaged by the hook 11 carried by the ceiling. At each end of the assembled sections an end piece 12, preferably triangular in form, is pivotally connected by means of the eye 13 carried by the loop 14 secured to the end of the frame and extended slightly beyond each side thereof so as to permit the folding of the end piece 12 into contact with the top or bottom of the main awning, as found most desirable. Under this condition the end may be secured in position by attachment to the cross piece 15 of the frame by means of a turn button 16 mounted thereon and extended through the slotted plate 17 carried near the apex of the end frame. This plate also coöperates with a similar turn button 18 upon one of the vertical supports 19 of the porch when the end piece is in position for use, as shown in Fig. 1 and thus assists in holding or supporting the main frame in its inclined position, while the cover or slats 20 of the end piece prevents the entrance of sun or rain at the ends of the awning. In an extended length or weight of this awning it is found desirable to provide an intermediate support which may be in the nature of a prop 21 engaging any suitable socket 22 carried by the awning frame and attached at its opposite end to a porch rail 23 by means of a plate 24 carried by the prop and extended over the turn button 25 on the rail. The cross pieces 15 of the frame are provided with turn buttons 16 at each side thereof so as to permit the connection of the end pieces 12 with either face of the main frame as found desirable.

50 55 In the operation of the invention the parts are normally disposed in the position shown in Fig. 1 where an ornamental awning is provided which may be painted to correspond

with the building on which it is used and may be conveniently removed from its open position by folding the end sections into contact with the inner face of the main frame and then swinging all of the parts upward against the ceiling of the porch where they may be secured as shown by dotted lines in Fig. 1. The construction of the frame in sections permits the necessary longitudinal adjustment to fit between different lengths of porch sections when the parts are rigidly clamped in position and so remain during use. If it be desired to leave the end of the awning open and remove the end piece from view it may be folded upon the top of the main frame and there secured as the securing means carried by these end sections is adapted for attachment either to the cross piece of the main section or the vertical support of the post. The slatted construction permits the passage of air through the awning and shades the porch from the sun or weather conditions.

Having described my invention and set forth its merits, what I claim and desire to secure by Letters Patent is:—

1. In an awning, an awning frame having at its upper edge pivoting means to permit the awning to swing on both sides of a vertical plane, means carried by said frame for retaining it in an inclined position on one side of said plane, and means for retaining said frame in substantially horizontal position upon the other side of the vertical plane.

2. In an awning, an awning frame having at its upper edge pivoting means, awning end pieces pivotally connected to the frame to fold against the same, means for securing the free ends of said end pieces in contact with the frame, and means for securing the free ends of said end pieces to a fixed member.

3. In an awning, an awning frame pivoted at its upper edge, a triangular awning end piece pivotally connected to the frame, a vertical support, and means for securing the free end of said end piece to either said support or the frame.

4. In an awning, an awning frame pivoted at its upper edge to permit the awning to swing on both sides of a vertical plane, a

triangular awning end piece pivotally connected to the frame, a vertical support, means for securing the free end of said end piece to either said support or the frame, an attaching device connected to the free edge of the frame, and a cooperating device secured to a fixed part to retain said frame in substantially horizontal position on one side of the vertical plane.

5. In an awning, an awning frame comprising sections mounted for longitudinal adjustment upon each other, a securing device for retaining said sections in adjusted position, a pivotal connection between said sections and a support to permit them to be swung to a horizontal position on one side and an inclined position on the other side of a vertical plane, and means for securing said sections in either inclined or horizontal position.

6. In an awning, an awning frame pivotally mounted at its upper edge to be swung to a horizontal position on one side and an inclined position on the other side of a vertical plane, awning end pieces pivoted to said frame, and a supporting prop disposed intermediate of the ends of the main frame.

7. In an awning, an awning frame pivotally mounted at its upper side edge and provided at one end with an elongated loop, a triangular awning end frame having a pivoting eye mounted to travel in said loop, and an attaching plate carried by the free end of said end frame.

8. In an awning, a slatted awning frame pivoted at its upper side edge to be swung to a horizontal position on one side and to an inclined position on the other side of a vertical plane, a triangular slatted end piece pivotally connected to said end frame, an attaching device at the free end of said end piece, and a connecting member at the free side of the frame to retain it in horizontal position.

In testimony whereof I affix my signature in presence of two witnesses.

CHRISTIAN FRANTZ.

Witnesses:

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