

July 10, 1951

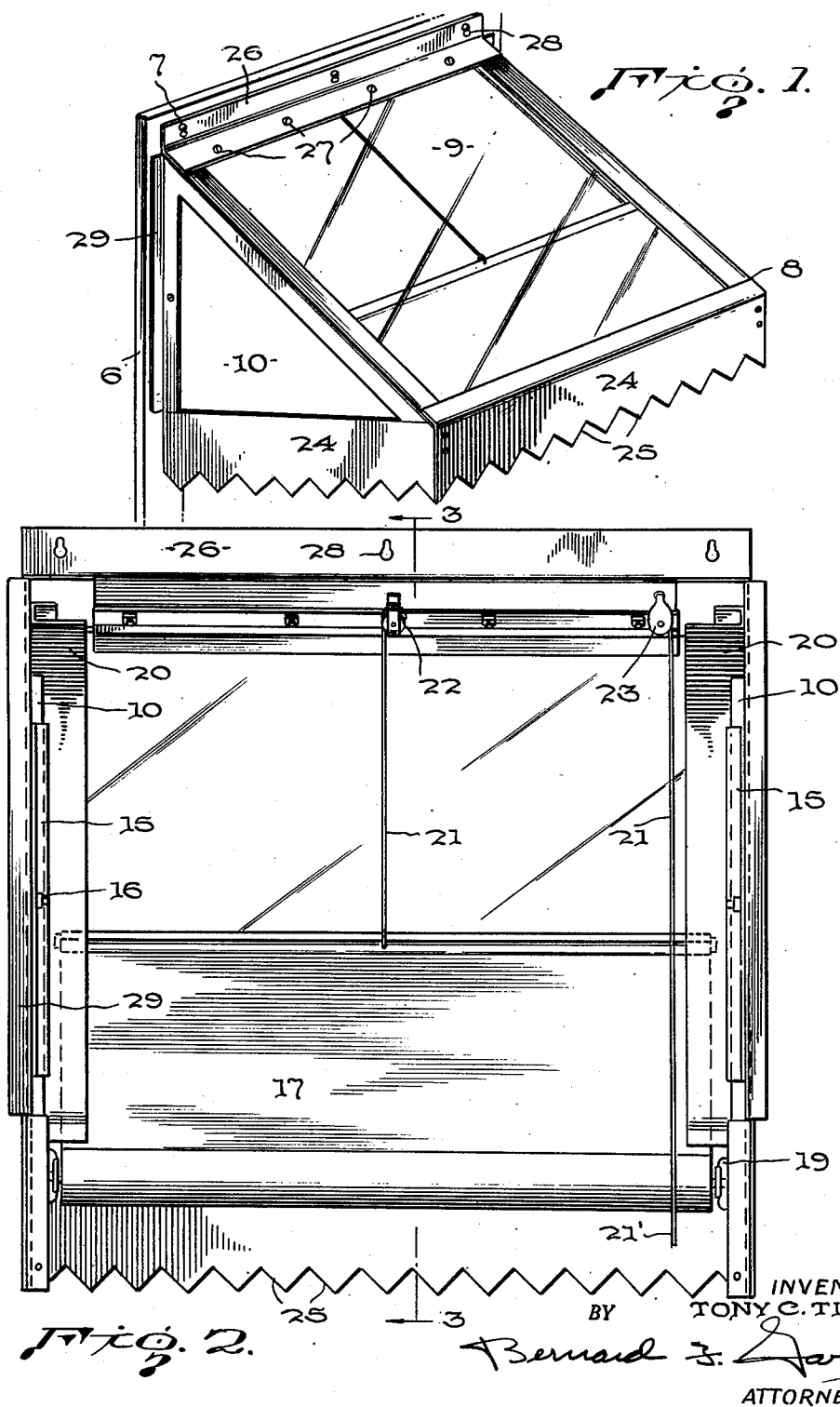
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COMBINATION TRANSPARENT AWNING AND SHADE

Filed March 13, 1946

2 Sheets-Sheet 1



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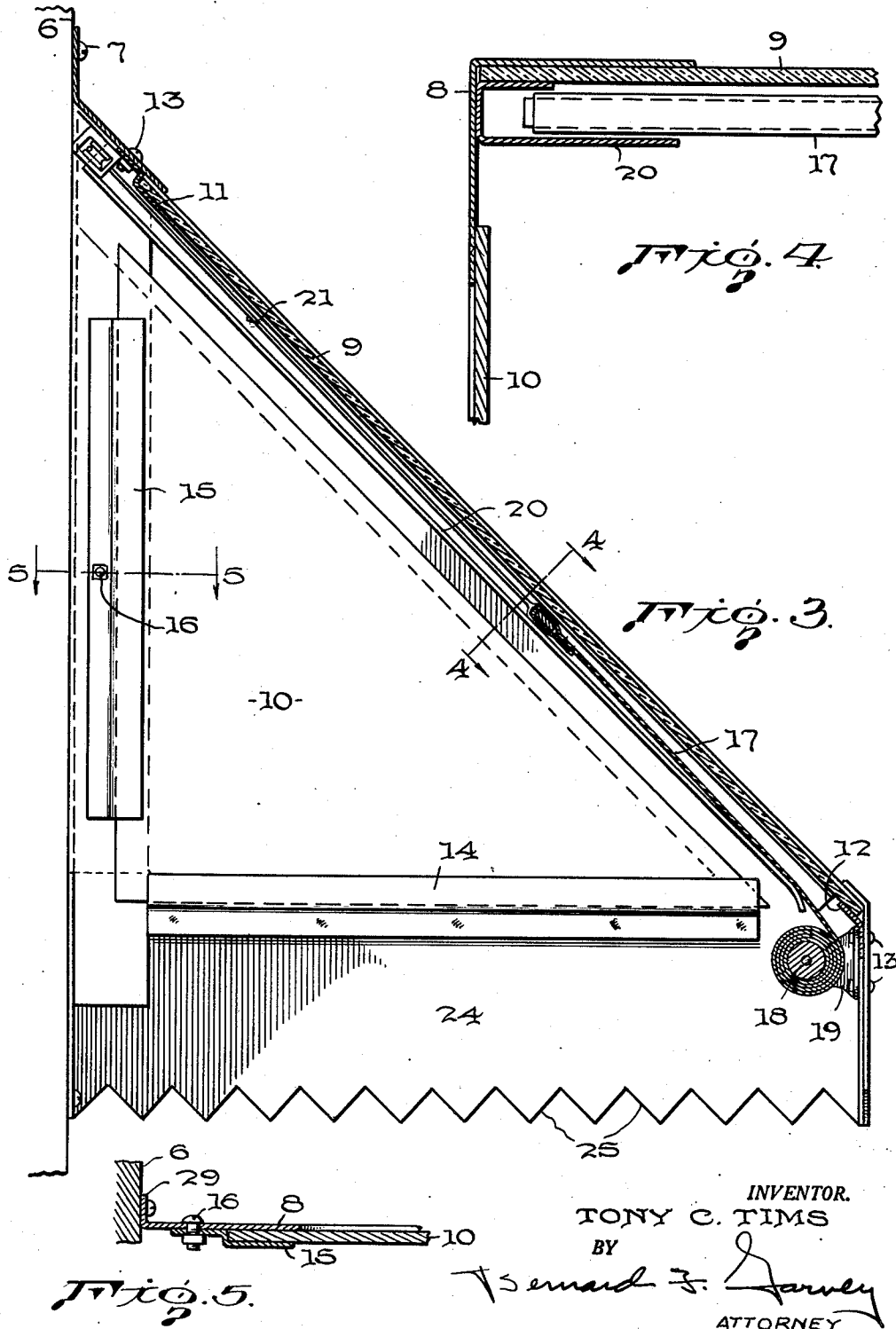
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2 Sheets-Sheet 2



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2,560,397

COMBINATION TRANSPARENT AWNING AND SHADE

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Application March 13, 1946, Serial No. 654,031

3-Claims. (Cl. 160-98)

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This invention comprises a rigid inflexible awning or canopy in conjunction with a shade operable from within the house or building on which the awning is mounted.

It is also within the contemplation of this invention to provide a quickly attachable and detachable awning which will protect a window or door from the elements, yet will not cut off the light except at the option of the user.

A further object of the invention is to provide a rigid transparent awning provided with ventilating openings in its opposite ends over which opaque or transparent panels are detachably engaged.

Other objects of the invention will be apparent from the following description of the invention taken in connection with the accompanying drawings, wherein:

Figure 1 is a perspective view of a combination transparent awning and shade constructed in accordance with the present invention, illustrating its application;

Figure 2 is a rear elevational view of the awning and shade per se;

Figure 3 is a vertical sectional view taken on the line 3-3 of Figure 2, looking in the direction of the arrows;

Figure 4 is a detail fragmentary sectional view taken on the line 4-4 of Figure 3 looking in the direction of the arrows; and

Figure 5 is a detail fragmentary sectional view taken on line 5-5 of Figure 3 looking in the direction of the arrows, showing to advantage the manner of engaging one of the transparent panels with a removable window frame plate.

In order to illustrate the application of this invention, I have in the drawings illustrated fragmentarily, a window frame 6 of standard construction, equipped with a plurality of screws or like supporting elements 7. As illustrated advantageously in Figure 1, the screws are arranged at intervals on the header part of the frame 6.

The awning or canopy constructed in accordance with this invention is generally designated 8 and consists of a frame made of metal or other suitable material which slopes downwardly from the window frame 6 to a point appreciably beyond the latter as shown in Figures 1 and 3. The frame is provided with an opening in its top which is covered by a transparent pane or panel 9. The frame is further provided with ventilating openings in the end thereof, which are covered by transparent or opaque panes or panels 10. As shown in Figure 3, the pane or

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panel 9 is engaged over its opening from the inside of the frame and is secured from displacement by upper and lower plates 11 and 12 respectively. The plates 11 and 12 are detachably engaged to the frame 8 by removable bolts 13.

Each of the panes or panels 10 is also engaged over its respective opening from the inside of the frame as shown advantageously in Figure 3. In each instance, the size of the pane or panels 10, as well as the pane or panel 9 is in excess of the size of the opening over which it is placed, so that the margins of the pane or panels appreciably overlap the portions of the frame with which it is engaged, as shown by the dotted lines in Figure 3. Each of the panes or panels 10 is supported at its base by a strip 14 which is secured to the frame 8. The inner marginal edge of each pane or panel 10 is overlapped intermediate its terminals by a clamping strip 15 which is detachably engaged, as indicated at 16, with the frame 8. When it is desired to remove the pane or panels 10, the clamping strips 15 are removed in an obvious manner and the panes or panels 10 retracted inwardly through the window or door upon which the awning or canopy is mounted.

In order to shut off light through the pane or panel 9 when desired, shade 17 is provided which is mounted upon a spring roller 18, the roller being carried by brackets 19 which extend from the inner face of the front of the frame 8 adjacent the lower margin of the latter, as shown in Figure 3. The opposite ends of the shade are adapted to ride in parallelly arranged guides 20 which are carried by and extend inwardly from the side walls of the frame 8. It is preferred that the shade be moved across the pane or panel 9 by a pull cord 21, the cord in turn being trained over a central pulley 22 and a side pulley 23, both pulleys being carried by the top of the frame. The free terminal 21' of the pull cord 21 tends within, or in close proximity to the window frame 6 so as to be accessible from inside the room in which the frame is mounted.

As also shown to advantage in Figures 1 and 3, it is preferred that the lower ends of the frame be extended at the front and sides of the latter to provide aprons 24, the free margins of which may be scalloped or otherwise ornamented, as indicated at 25.

In order to engage the awning with and secure it to the window frame 6, I employ an angle suspension plate 26, one angle of which is fixedly secured to the top of the frame 8 as indicated

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at 27. The opposite or vertical angle of the plate is provided with a plurality of openings 28 which are adapted to be engaged over the screws 7. Especially upon reference to Figure 2, it will be noted that the lower end of each of the openings 28 is rounded to conform to the contour of the head of the screw 7 and is slightly larger than the latter, to permit engagement of the screw therethrough. The enlarged lower end issues into a constricted portion which is adapted to receive the shank of the screw when the awning gravitates. Each side of the frame 8 is equipped with a wing 29 which is adapted to abut the front face of the window frame 6, particularly as shown in Figure 1. The wings 29 may, if desired, be detachably engaged to the frame 6. By using the plate 26 and wings 29, substantial means are provided to support the awning and to prevent casual displacement thereof, regardless of weather conditions.

As is apparent, with this arrangement, not only is a transparent rigid awning or canopy provided, which may be quickly attached to and detached from any standard window or door frame, but in addition, I provide for cross ventilation through the awning when desired. Furthermore light may be completely or partially cut off through the top transparent pane of the awning at the option of the user.

Although I have herein described a preferred form of the invention, I am aware that various changes may be made therein, within the scope of the claims hereto appended.

What I claim is:

1. A combination transparent awning and shade for use on a window frame having supporting screws attached thereto, comprising an awning frame with top and end openings, a glass panel mounted over each of said openings, a shade roller carried by the frame adjacent the lower end of the top opening, pulley and cord means for drawing the shade across the glass in the top opening, and an angle plate having a flange secured to the top of the awning frame, and a second flange having openings adapted for

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engagement over the screws on the window frame for detachably securing the awning frame to the window frame.

2. A combined transparent awning and shade comprising a rigid sloping awning frame with top and end openings, a glass panel mounted over each of said openings, and clamping strips detachably connected to the frame for holding the glass panel over each end opening in contiguous relation with the frame, said clamping strips being readily disconnected when it is desired to remove the panels of glass.

3. A combined transparent awning and shade comprising an awning frame with top and end openings, a glass panel mounted over each of said openings, a roller shade carried by the frame adjacent the lower end of the top opening, guides in the frame on each side of said opening within which the side edges of the shade travel when the shade is operated across the panel of said opening, and clamping strips detachably connected to the frame for holding the glass panel over each of said end openings in contiguous relation with the frame, said clamping strips being readily disconnected when it is desired to remove the panels of glass.

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