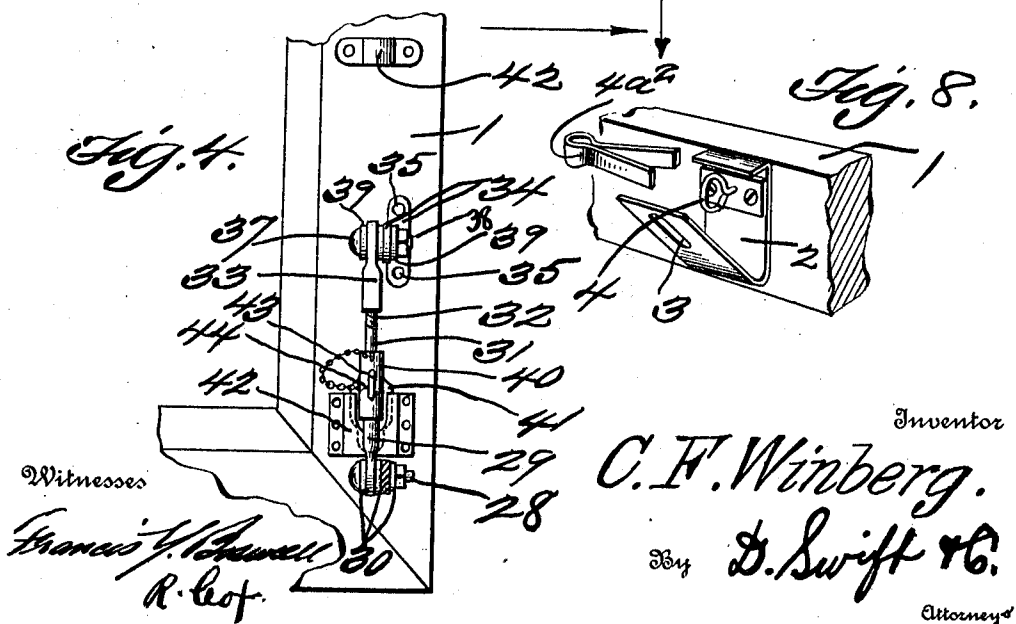
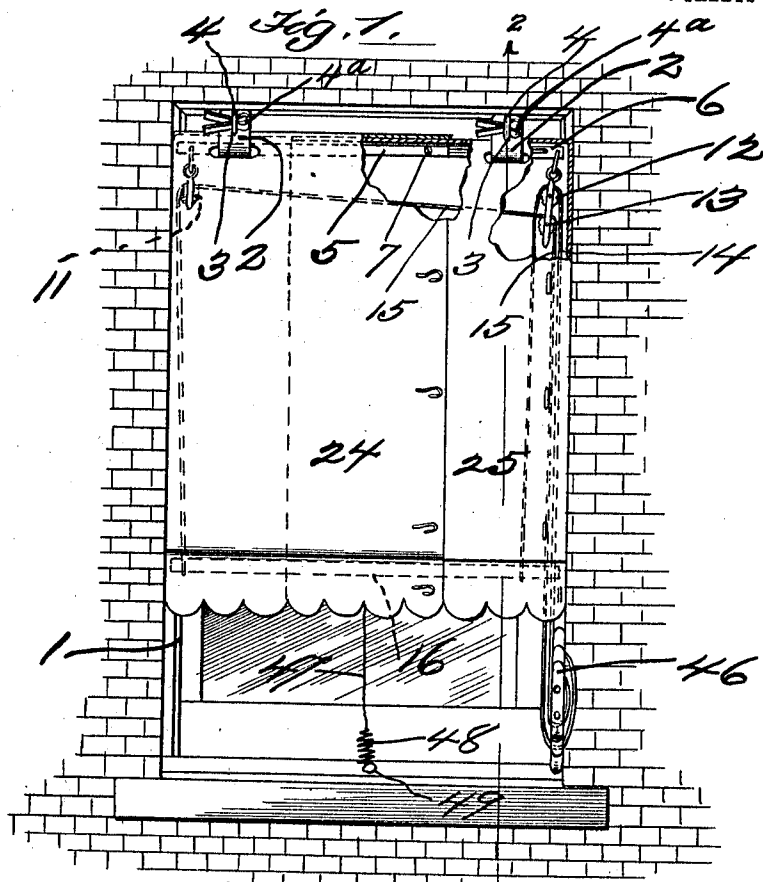
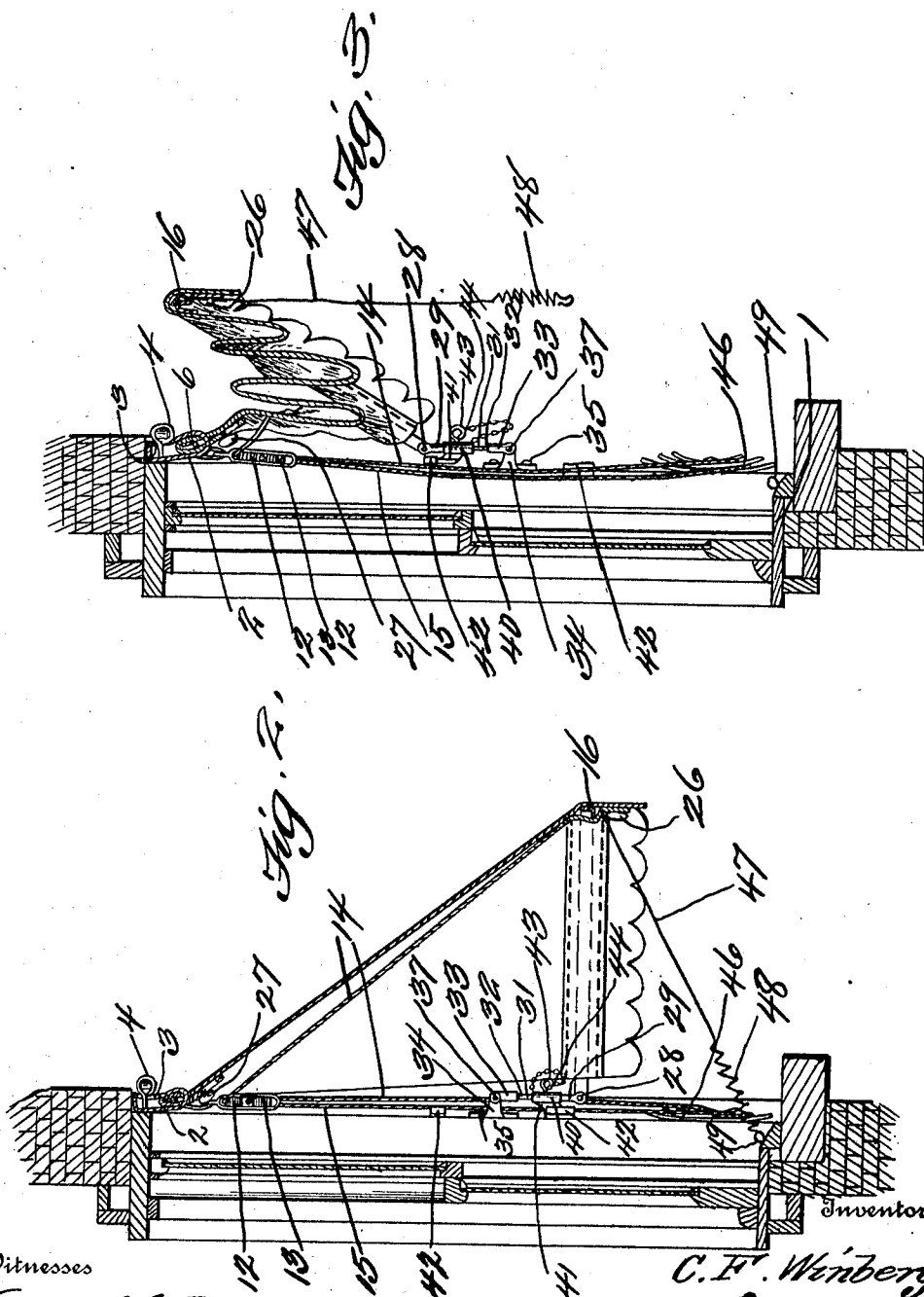




1,004,129.

C. F. WINBERG.
EXTENSIBLE AWNING.
APPLICATION FILED FEB. 1, 1911.

Patented Sept. 26, 1911.
3 SHEETS—SHEET 2.



Witnesses

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3 SHEETS—SHEET 3.

Fig. 7.

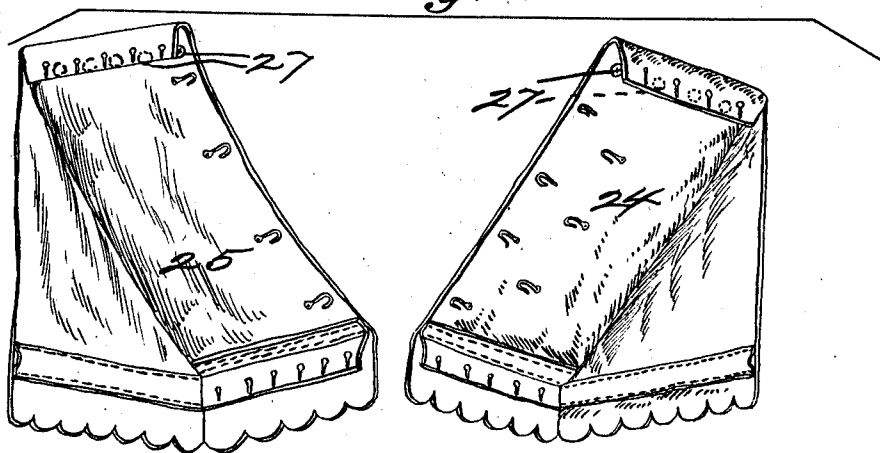


Fig. 6.

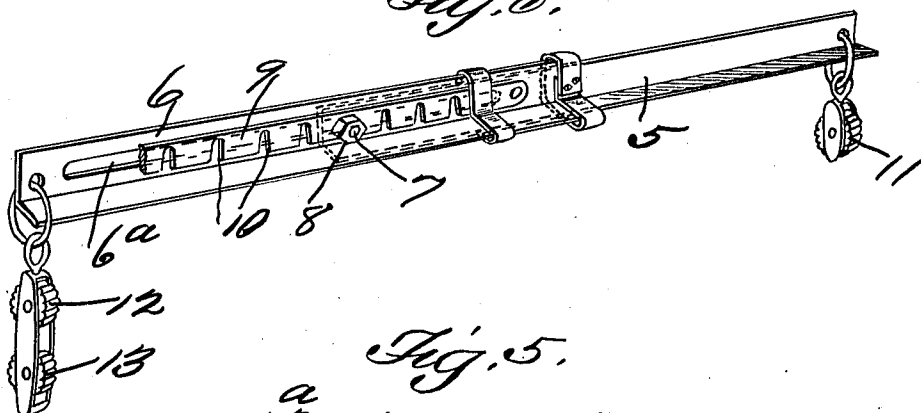
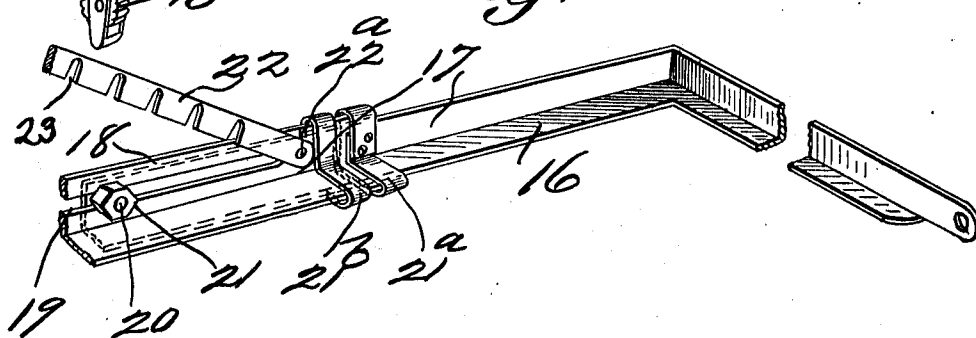


Fig. 5.



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UNITED STATES PATENT OFFICE.

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EXTENSIBLE AWNING.

1,004,129.

Specification of Letters Patent. Patented Sept. 26, 1911.

Application filed February 1, 1911. Serial No. 605,955.

To all whom it may concern:

Be it known that I, CARL F. WINBERG, a citizen of the United States, residing at New York, in the State of New York, have invented a new and useful Extensible Awning; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to the art of awnings and the like, and it more particularly pertains to a new and useful extensible awning, adapted to fit various sizes of window frames and the like.

One of the objects of the invention is to provide an extensible frame for the lower part of the awning and a pair of extensible bars for the upper part of the awning.

A further object of the invention is to provide novel supporting means for the extensible bars of the upper part of the awning.

However, the principal object of the invention is to provide improved novel connections between the ends of the frame of the lower part of the awning and the window frame, whereby the supported portions of the frame of the lower part of the awning may be easily and quickly adjusted, whereby the awning may be more readily collapsed against the window frame.

Incidentally with the above features of the invention there is provided means to obviate the possibility of the awning accidentally collapsing or blown upwardly, as is generally the case. In the drawings, however, there is only disclosed one particular form of the invention, but in practical fields this form may require alterations, to which the applicant is entitled, provided the alterations are comprehended by the appended claims.

The invention comprises further features and combination of parts hereinafter set forth, shown in the drawings, and claimed.

In the drawings:—Figure 1 is a view in front elevation, showing parts broken away, in order to disclose the extensible bars at the upper portion of the awning, and the extensible parts of the frame at the lower portion of the awning. Fig. 2 is a vertical section view on line 2—2 of Fig. 1, showing the manner in which the extensible bars of the upper portion of the awning are supported, and further showing the connections

between the frame at the lower portion of the awning and the window frame. Fig. 3 is a view similar to Fig. 2 showing the connections between the frame of the lower portion of the awning and the window frame adjusted in different positions, and illustrating the awning collapsed. Fig. 4 is an enlarged detail view of one of the connections between the window frame and the extensible frame of the lower part of the awning. Fig. 5 is a view of the frame of the lower portion of the awning. Fig. 6 is an enlarged view of the extensible bars of the upper portion of the awning. Fig. 7 are views of the two parts of the awning covering, and Fig. 8 is a detail view of one of the clamps for holding the extensible bars of the upper portion of the awning and the awning in place.

Referring to the accompanying drawings, 1 designates the window frame, from which the awning is suspended. Secured at the top of the window frame are two clamping supports 2, which are made of flexible metallic material, in order to permit them to bend. The free ends of these flexible metallic supports are provided with slots 3, through which the eyes 4 penetrate. The key 4^a passes through the eye 4.

5 and 6 designate bars which are angular in cross section, and are held in relation to one another by the bolts 7 and nuts 8. Connected to one of the bars is a locking bar 9 having a plurality of transversely disposed open ended slots 10, adapted to receive bolts 7 in order to hold the bars 5 and 6 locked in adjusted positions. At one end of the bars a pulley 11 is suspended, while at the opposite end of the bars there are two pulleys 12 and 13. Extending up one side of the window frame are two ropes or cords 14 and 15, the rope 14 passes over the pulley 12, while the rope 15 passes over the pulleys 13 and 11. The rope or cord 14 after passing over the pulley 12 extends down the awning in one corner thereof and connects to the outer right-hand corner of the extensible frame 16 at the lower portion of the awning, while the rope or cord 15 after passing over the pulley 11 connects with the left-hand outer corner of the said frame at the lower portion of the awning. In Fig. 5 of the drawings it will be observed that the extensible frame 16 is approximately U-shaped in contour, and the horizontal portion of the frame comprises

the extensible bars 17 and 18, one being slotted as shown at 19, and held in adjusted positions with regard to the other bar by means of the bolts and nuts 20 and 21. To hold the bars 17 and 18 locked in their adjusted positions a locking bar 22 having slots 23 similar to the locking bar at the upper portion of the awning is provided. The slots 23 of the bar 22 receive the bolts 20; after which the nuts 21 are tightened. In this manner the bars 17 and 18 are held in their adjusted positions.

The awning covering consists of the two sections 24 and 25, which at their lower portions are stitched to the outwardly projecting parts of the U-shaped frame. The inclined top portions of the sections 24 and 25 of the awning covering overlap, as shown in Fig. 2, while the lower outer portions of the inclined top portions are fastened about the extensible bars 17 and 18 of the U-shaped frame, and held so by the buttons 26. The overlapped portions of the two sections of the awning covering are provided with hook and eye connections, so as to hold the outer overlapped part from displacement. The top portions of the two sections of the awning covering are folded over the extensible bars 5 and 6, and held so by the buttons 27.

Pivoted by means of the bolts 28 to the inner end of the U-shaped frame are the sockets 29, there being leather or other fiber washers 30 arranged on the bolts between the ends of the U-shaped frame, the nuts, the heads of the bolts and the sockets, in order to prevent rattling of the connected parts. Threaded into the sockets 29 are the rods 31. To the ends 32 of the rod sockets 33 are threaded. These sockets 33 are pivoted to the plate 34, which are secured to the window frame, by means of the bolts 35. A washer 39 is placed between the head of the bolt 37 and the socket 33, and also between the socket 33 and the ear of the plate 35, and also between the said ear and the nut 38 on the bolt 37. The washers 39 are designed for the same purpose as the washers 30. By pivoting the sockets 33 to the said plates, the said rods are permitted to be arranged in positions shown in Fig. 3. To hold the rods in either position as shown in Figs. 2 and 3 sleeves 40 are arranged slidably on the rod. These sleeves are supplied with extensions 41 to engage the bracket plates 42, so as to hold the rods in position. To hold the sleeves as shown in Figs. 2 and 3 screw eyes are threaded through the sleeves and the rod, and to prevent accidental loss of the screw eyes 43 snap hooks 44 are connected to them. These snap hooks are suspended from chains carried by the said sleeves. To throw the awning from the position shown in Fig. 2 to the position

shown in Fig. 3, the extensions of the said sleeves are withdrawn from the lower bracket plates, by first removing the screw eyes, after which the rods and their sockets are arranged as shown in Fig. 3. When the said rods are so arranged, a pulling action is imparted upon the cords or ropes 14 and 15, which will elevate the outer portion of the awning. After the awning is properly elevated, the cords or ropes 14 and 15 are secured between the leaf clamping member 46, adjacent the base of the window frame. When the rods are disposed as shown in Fig. 3 the extensions of the sleeves are inserted in the upper bracket plates, after which the screw eyes are threaded in position as shown.

To prevent the awning from blowing upwardly when arranged as shown in Fig. 2 a cord 47 is connected between the outer portion of the awning and the base of the window frame, there being a spring 48 arranged between the cord or rope and a bracket 49 of the window frame. If the awning slightly lifts against the action of this spring the same will be returned to its normal position.

The flexible clamping supports at the upper end of the window frame pass through the awning covering and about and over the extensible bars at the upper portion of the awning and arranged in engagement with the eyes at the top of the window frame, after which keys 4^a are extended through the eyes.

The invention having been set forth, what is claimed as new and useful is:—

1. In combination, a pair of overlapping awning sections including means of support for their upper portions from a window frame, a frame adjustably connected to the window frame for the support of the lower portions of the awning sections, said supporting frame, comprising two sections L-shaped in cross section having the outer portions thereof overlapped, one of the outer portions having an elongated slot, and provided with a strap riveted thereto at its end, through which the other outer portion passes, thus connecting the two outer portions slidably together, one of the outer portions having a bolt passing through the slot of the other outer portion, a nut threaded on the bolt, a bar pivoted to the slotted outer portion having a series of notches to receive the shank of the bolt, to hold the outer portions in adjusted positions, and a strap slidably carried by the outer portions and surrounding the same for holding the notched bar in coöperation with the bolt, the nut constituting means to bind the outer portions and the notched pivoted bar together.

2. In combination, a pair of overlapping awning sections including means of support for their upper portions from a window frame, a frame adjustably connected to the

window frame for the support of the lower
 portions of the awning sections, said sup-
 porting frame, comprising two sections L-
 shaped in cross section having the outer por-
 tions thereof overlapped, one of the outer
 portions having an elongated slot and pro-
 vided with a strap riveted thereto at its end,
 through which the other outer portion passes,
 thus connecting the two outer portions slid-
 ably together, one of the outer portions hav-
 ing a bolt passing through the slot of the
 other outer portion, a nut threaded on the
 bolt, a bar pivoted to the slotted outer por-
 tion having a series of notches to receive the
 shank of the bolt, to hold the outer portions
 in adjusted positions, and a strap slidably
 carried by the outer portions and surround-
 ing the same for holding the notched bar in
 cooperation with the bolt, the nut constitut-
 ing means to bind the outer portions and
 the notched pivoted bar together, and means
 for raising and lowering the awning sec-
 tions.

3. In combination, a pair of overlapping
 awning sections including means of support
 for their lower portions from a window
 frame, a pair of bars L-shaped in cross
 section and arranged slidably with relation
 to one another and to which the awning sec-
 tions are connected at their upper portions,
 one of the bars having an elongated slot and
 provided with a strap loop riveted thereto
 at its end through which the other bar passes,
 one of the bars having a bolt passing there-
 through and penetrating the slot, a nut
 threaded on the end of the bolt, a bar pivoted
 to the slotted bar and having a series of
 notches, any one of which notches being de-
 signed to receive the shank of the bolt, to
 hold the bars in adjustable positions, the nut
 constituting means for binding the two slid-
 able bars and the pivoted bar securely to-
 gether, a strap loop slidably arranged about
 the two bars for holding the notched bar in
 engagement with the bolt, a pair of flexible
 straps secured to the upper portions of the
 window frames and penetrating the awning
 sections, and folded upon themselves about
 the slidable bars, and screw eyes penetrating
 the free ends of the strap and the window
 frame for supporting the bars and the awn-
 ing sections.

4. In combination, a pair of overlapping
 awning sections including means of support
 for their lower portions from a window
 frame, a pair of bars L-shaped in cross sec-

tion and arranged slidably with relation to
 one another and to which the awning sec-
 tions are connected at their upper portions,
 one of the bars having an elongated slot and
 provided with a strap loop riveted thereto
 at its end through which the other bar passes,
 one of the bars having a bolt passing there-
 through and penetrating the slot, a nut
 threaded on the end of the bolt, a bar pivoted
 to the slotted bar and having a series of
 notches, any one of which notches being de-
 signed to receive the shank of the bolt, to
 bolt the bars in adjustable positions, the nut
 constituting means for binding the two slid-
 able bars and the pivoted bar securely to-
 gether, a strap loop slidably arranged about
 the two bars for holding the notched bar in
 engagement with the bolt, a pair of flexible
 straps secured to the upper portions of the
 window frames and penetrating slidable bars
 and screw eyes penetrating the free ends of
 the strap and the window frame supporting
 the bars and the awning sections, and means
 for raising and lowering the awning sec-
 tions.

5. In an extensible awning, a pair of over-
 lapping awning sections including means of
 support for the upper portions from a win-
 dow frame, an extensible frame for the lower
 portions of the awning sections, rod connec-
 tions pivoted to the window frame at one
 end and having their other ends pivoted to
 the extensible frame for adjustably support-
 ing the extensible frame, sleeves slidably ar-
 ranged upon the rods of said connections and
 provided with extensions, bracket plates se-
 cured to the window frame, one above and
 one below the pivots of each of the rod con-
 nections to receive the extensions, when the
 awning is raised or lowered, the sleeves be-
 ing partially rotatable so that the extensions
 may be brought in proper positions to be re-
 ceived by either of the bracket plates, screw
 eyes penetrable through the sleeves and the
 rods of said connections for locking the
 sleeves in adjusted positions, and chains hav-
 ing hooks to engage the screw eyes to pre-
 vent accidental loss thereof.

In testimony whereof I have signed my
 name to this specification in the presence of
 two subscribing witnesses.

CARL F. WINBERG.

Witnesses:

EDWARD THOMSON,
JOHN DUNN.