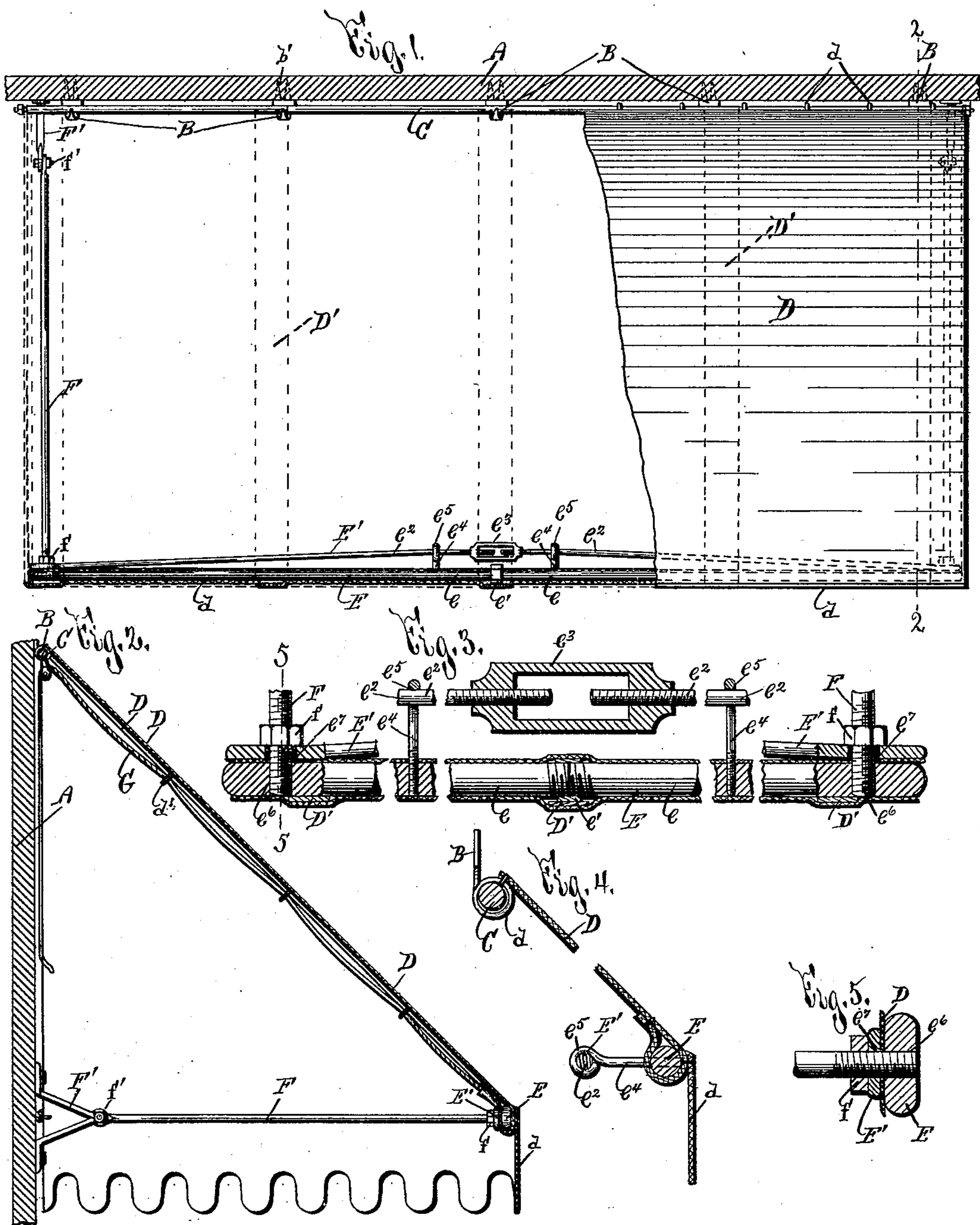


(No Model.)

C. A. SCHOENECK.  
AWNING.

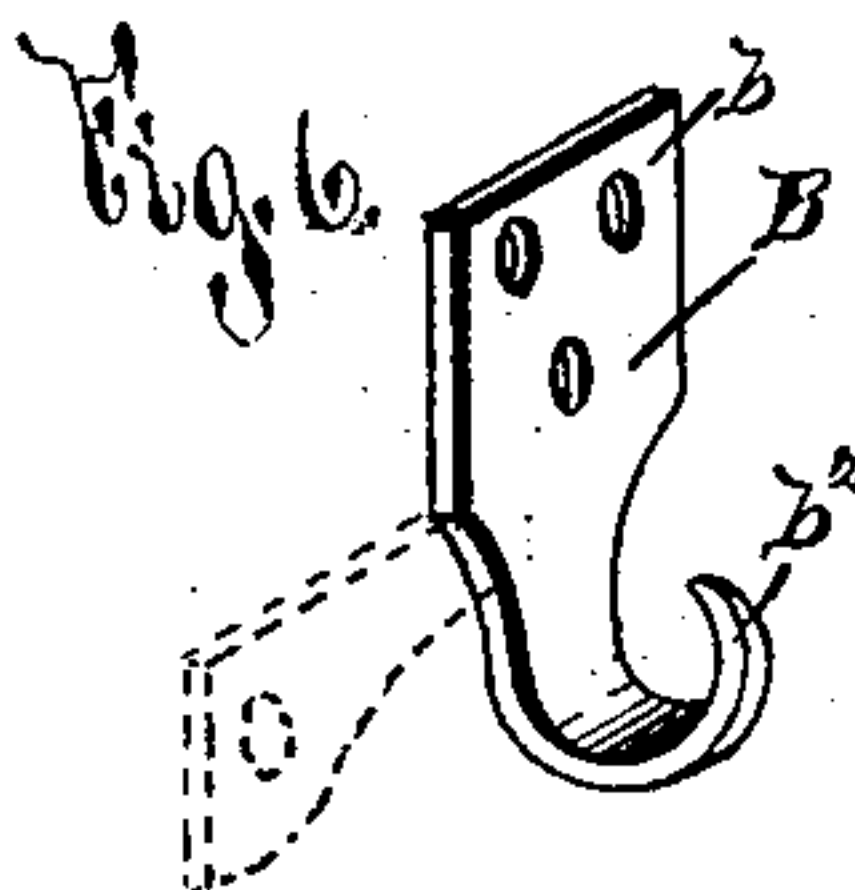
No. 512,490.

Patented Jan. 9, 1894.



WITNESSES:

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INVENTOR  
Charles A. Schoeneck

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ATTORNEYS.



# UNITED STATES PATENT OFFICE.

CHARLES A. SCHOENECK, OF SYRACUSE, NEW YORK.

## AWNING.

SPECIFICATION forming part of Letters Patent No. 512,490, dated January 9, 1894.

Application filed March 27, 1893. Serial No. 467,824. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES A. SCHOENECK, of Syracuse, in the county of Onondaga and State of New York, have invented new and  
5 useful Improvements in Awnings, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to improvements in  
10 awnings, and has for its object the production of a simple and practical device, which is economically manufactured, is strong and durable in use, presents a neat and pleasing appearance, and is effective in operation;  
15 and to this end it consists, essentially, in an awning, a support for the inner edge of the awning, and a support for the outer edge of said awning composed of a pair of bars having their adjacent extremities secured together, and their central portions separated  
20 a greater distance than said extremities.

The invention furthermore consists in arms for removably engaging the former support, hinged arms or links for supporting the outer  
25 ends of the bars composing the latter support, and in the detail construction and arrangement of the parts, all as hereinafter more particularly described and pointed out in the claims.

30 In describing this invention, reference is had to the accompanying drawings, forming a part of this specification, in which like letters indicate corresponding parts in all the views.

35 Figure 1 is a top plan view, partly in section, of my improved invention, clearly illustrating the relative construction and arrangement of its component parts, a portion of the awning being broken away for the purpose of  
40 illustrating the underlying parts. Fig. 2 is a transverse sectional view, taken on line —2—2—, Fig. 1. Fig. 3 is an enlarged sectional view of the front support for the awning, portions of the bars composing the same  
45 being broken away for the purpose of increasing the scale. Fig. 4 is an enlarged transverse vertical sectional view of the awning and the supports for its inner and outer edges, a portion of the awning being broken  
50 away. Fig. 5 is a vertical sectional view,

taken on line —5—5—, Fig. 3, and Fig. 6 is an isometric perspective of one of the arms foreengaging the upper support for the awning.

It is well known that the inner edges of awnings are usually supported by a series of 55 screws or other fastening means secured at intervals to the awning and to a supporting wall, and that these screws or fastening means are extremely liable to become disengaged from the supporting wall from hard 60 usage, or owing to the strain to which the awning is exposed by the presence thereupon of an undue weight of sleet, snow, ice, &c. Moreover, it is frequently necessary to remove or replace the awning, and the face of 65 the supporting wall is greatly defaced and injured by the constant removal, and the securement in position of said screws or fastening means. It is also well known that the support for the lower edge of awnings, as usually 70 constructed, is invariably, by usage and exposure, caused to bow or bend inwardly, even though when first placed in position it is so formed as to bow outwardly. Consequently the appearance of the awning is considerably 75 deteriorated and its life is greatly lessened, owing to the accumulation of an undue degree of moisture at the lowest portion of the awning caused by the inward bending or bowing of the supports for its front edge. 80

In order to prevent inward bowing of the front support for the awning, it is customary to uphold its central portion by movable arms or links, hinged to stationary arms or brackets, supported upon the upright posts 85 or jambs at the side of the window opening or doorway provided with the awning, but when said posts or jambs are constructed of iron, steel or polished brass, as is usually the case in modern buildings it is practically impos- 90 sible to secure said stationary arms in position and the central portion of said front support is unsupported and is necessarily free to sag and bow inwardly.

My present invention has for its object the 95 production of a simple, practical, and effective device, which does not deface the front of its supporting wall, permits of the ready removal of the awning, and its supporting frame, and is of such construction that the 100



inward bowing of the support for the front of the awning is absolutely prevented, and the presence of any central supporting arms for the front support absolutely obviated.

5 —A— represents the supporting wall, and —B— a series of hooks or arms projecting therefrom. These arms are provided with ears —b— secured by suitable fastening means —b'— to the wall —A—, and are  
10 formed with upturned loops —b<sup>2</sup>—.

—C— is the support for the inner edge of the awning —D—, and, as preferably constructed, this support consists of a bar of such diameter as to readily enter the loops —b<sup>2</sup>—  
15 of the arms —B—. It will be evident that, instead of extending upwardly from the loops —b<sup>2</sup>—, the attaching ears —b— of the arms —B— may extend laterally therefrom if desired, and that the supporting bar —C— may  
20 be held in position by other supports, although the described construction is particularly practical, effective, and durable, and permits of the ready disengagement of the support —C— without necessitating the removal of  
25 the arms —B—.

The awning —D— is secured to said bar —C— by a series of loops or rings —d— secured to its inner edge and encircling the bar —C—.

30 The support for the outer edge of the awning —D— consists of outer and inner bars —E—E'— having their opposite extremities secured together and their central portions separated a greater distance than said ex-  
35 tremities. The bar —E— is composed of sections —e—e— having their adjacent ends secured together by any suitable fastening as an ordinary coupling —e'—. The bar —E'— consists of a pair of sections —e<sup>2</sup>—e<sup>2</sup>— having  
40 their adjacent ends screw threaded and engaged with the opposite extremities of a turn buckle —e<sup>3</sup>— for approximating and separating said adjacent ends. The central portion of the bar —E— is provided with in-  
45 wardly extending arms —e<sup>4</sup>—e<sup>4</sup>— for engaging the corresponding portions of the sections —e<sup>2</sup>—e<sup>2</sup>— of the bar —E'—. As best seen at Fig. 3 the inner ends of the arms —e<sup>4</sup>— are screw threaded and engaged with the corre-  
50 sponding section —e—e— of the bar —E—, and the outer ends of said arms are provided with eyes —e<sup>5</sup>— through which are passed the adjacent ends of the sections —e<sup>2</sup>—e<sup>2</sup>— of the bar —E'—.

55 The outer ends of the bar —E— are preferably secured to the corresponding ends of the bar —E'— by the outer ends of movable arms or links —F— for supporting said bar, and, as preferably constructed, said ends of the  
60 bar —E— are formed with screw threaded eyes or sockets —e<sup>6</sup>— with which are engaged the screw threaded outer ends of said movable arms or links —F—F—. The outer ends of the bar —E'— are also formed with eyes  
65 —e<sup>7</sup>— passed loosely over the outer ends of the links —F—, and bearing against the inner

faces of said outer ends are movable shoulders or nuts —f—f—.

The lower edge of the awning —D— passes over and around the bar —E— and up be- 70  
tween this bar and the inner bar —E'— as seen in Fig. 2, so that when the nuts —f— are screwed on the links —F— to clamp the ends of the bars together, such clamping also  
75 clamps the lower edge of the awning between the bars at their extremities.

It will be readily apparent to one skilled in the art that, as the adjacent ends of the sec-  
80 tions —e<sup>2</sup>—e<sup>2</sup>— are drawn together, the central portion of the bar —E— is bowed or bent outwardly, and that, at the will of the operator, said bar —E— may be either maintained in a straight plane, or may be bowed out-  
85 wardly even to a considerable extent if desired.

The movable arms or links —F—F— are hinged at their inner ends by pins or bolts —f'— to supports or stationary arms —F'—  
90 projecting from the wall —A— beneath the arms —B—.

The outer edge of the awning —D— is se-  
cured in the usual manner to its outer sup-  
port by being turned around the bar —E—, and is provided with a depending flap —d—,  
95 the lower edge of which may be scalloped if desired. The awning —D— is also reinforced with strips —D'— to which are secured loops —d'— for engagement by the cord —G— for elevating the awning.

The operation of my invention will be read- 100  
ily perceived from the foregoing description and upon reference to the drawings, and it will be readily understood that the same is readily detached by removing the supporting  
105 bar —C— from its supporting arms —B—, and by withdrawing the pivotal pins —f'— from operative position. It will also be evident that the outer bar —E— may be maintained in a straight plane or may be  
110 bowed or bent outwardly at will, and that the inward bowing or bending thereof is absolutely prevented, the presence of central supporting arms obviated and the appearance of the awning greatly augmented and its life  
115 lengthened.

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

1. The combination with an awning; of a support for the inner edge of the awning, and 120  
a support for the outer edge of said awning, consisting of a pair of rigid bars connected at their extremities and having their central portions separated a greater distance than said  
125 extremities, one of said bars being straight and each being independently adjustable lengthwisely between their points of connection, substantially as and for the purpose described.

2. The combination with an awning; of a 130  
support for the inner edge of the awning, and a support for the outer edge of said awning



consisting of a pair of bars having their central portions separated a greater distance than their extremities, one of said bars being adjustable lengthwisely and the other of said bars being straight and composed of separable sections, and screw couplings connecting said sections so as to permit the length of this bar to be adjusted, substantially as and for the purpose described.

3. The combination with an awning; of a support for the inner edge of the awning, a support for the outer edge of said awning consisting of a pair of bars having their central portions separated a greater distance than their extremities, the outer bar being composed of separable sections and provided with inwardly projecting arms, and the other bar being in two sections passing through eyes in said arms, and a turn buckle connecting the adjacent ends of said sections, substantially as and for the purpose set forth.

4. The combination with an awning; of a support for the inner edge of the awning, a support for the outer edge of said awning consisting of a pair of bars having their central portions separated a greater distance than their extremities, means for adjusting the length of the said bars independently a movable arm or link having its outer end secured to said latter support, and a support or arm hinged to the inner end of said link, substantially as and for the purpose specified.

5. The combination with an awning, and a support for the inner edge thereof; of a support for the outer edge of the awning comprising a straight outer bar formed in sections having threaded ends, screw couplings between said ends for permitting the longitudinal adjustment of this bar, inwardly extending arms on this bar, a second bar having its opposite extremities secured to those of the former bar and its central portion made in two sections passing through eyes in said arms and separated a greater distance from the corresponding portion of the former bar than are the extremities of said bars, a turn-buckle connecting the adjacent ends of said two sections, links projecting from the outer extremities of said bars, and supports hinged to the inner ends of said links, substantially as and for the purpose set forth.

6. The combination with an awning; of a support for the inner edge of the awning, a support for the outer edge thereof consisting of a pair of bars composed of separable sections, one bar being adjustable longitudinally and the bars being separated from each other a greater distance at their centers than at their extremities, said extremities having aligned openings, movable arms or links piv-

oted at their inner ends to suitable supports and with their outer ends passing loosely through the openings in the innermost bar and screwed into the openings in the outermost bar, and nuts on said arms against the inner faces of the innermost bar, substantially as described.

7. The combination with an awning; of a support for the inner edge of the awning, a support for the outer edge of the awning consisting of two bars one of which is straight and over and around which the awning passes, and the other of which is remote from the first bar at its center while its ends rest against the inner faces of the ends of said first bar so as to clamp the awning between the ends of the bars, movable bars or links, and means for connecting said links with the ends of the bars, substantially as described.

8. The combination with an awning; of a support for the inner edge of the awning, a support for the outer edge of the awning consisting of two bars one of which is straight and over and around which the awning passes, and the other of which is remote from the first bar at its center while its ends rest against the inner faces of the ends of said first bar so as to clamp the awning between the ends of the bars, movable bars or links pivotally supported at their inner ends, the outer end of each link passing loosely through an opening in the inner bar near its end and screwed into an opening in the outer bar, and a nut on the link against the inner face of the inner bar, as and for the purpose set forth.

9. The combination with an awning; of a supporting wall, a series of arms projecting from said wall, a horizontal bar removably engaged with said arms for supporting the inner edge of the awning, supports or arms beneath the former arms, movable arms or links hinged at their inner ends to said supports, an outer support for the outer edge of the awning consisting of a pair of bars having their extremities mounted upon the outer ends of said movable arms or links and having their central portions separated a greater distance than their extremities, and means for adjusting the length of each bar between its ends substantially as and for the purpose specified.

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 24th day of March, 1893.

CHARLES A. SCHOENECK.

Witnesses:

C. SCHOENECK,

E. A. WEISBURG.