R. B. HUGHES.

AWNING SUPPORT.

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1,217,765. Patented Feb. 27, 1917.

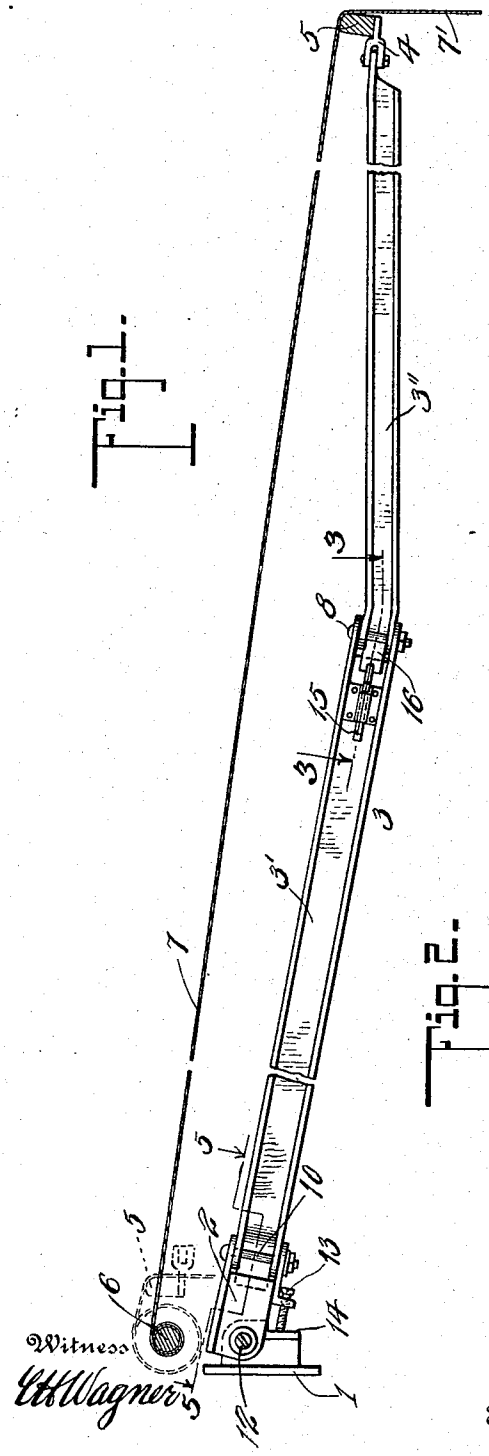


Fig. 1.

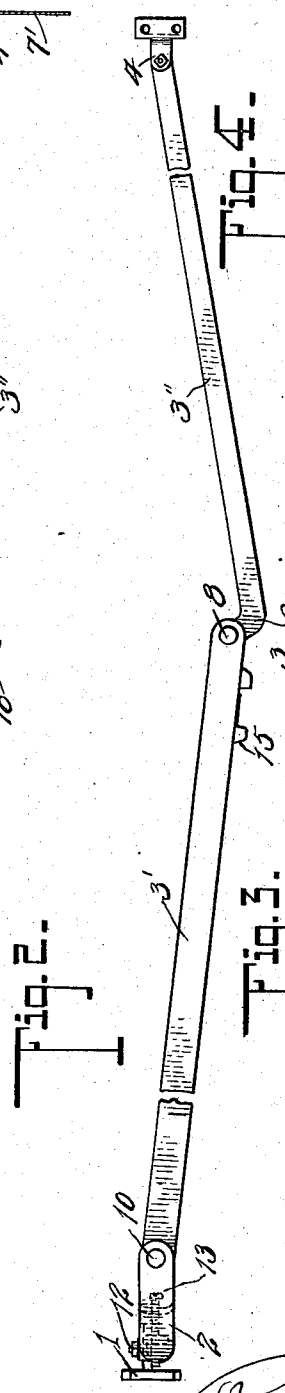


Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Witness
C. H. Wagner

Inventor
Robert B. Hughes

By Robert B. Hughes

Attorneys

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ROBERT B. HUGHES, OF PORTLAND, OREGON, ASSIGNOR OF ONE-HALF TO FRANK MONNER, OF PORTLAND, OREGON.

AWNING-SUPPORT.

1,217,765. Specification of Letters Patent. Patented Feb. 27, 1917.

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To all whom it may concern:

Be it known that I, ROBERT B. HUGHES, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Awning-Supports, of which the following is a specification.

The present invention relates to improvements in awning supports of that type which are adapted for folding and lateral swinging movement as the awning is raised or rolled up.

An object of the present invention is to provide locking means for holding the folded sections of the supporting means in their extended positions.

A further object in view is to provide suitable adjusting means for regulating the pitch of the coöperating supports for the awning whereby the extension of the awning is more or less controlled.

With the above and other objects in view, this invention consists in the construction, combination and arrangement of parts, all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein:

Figure 1 is a side elevation of an extended awning arm forming the embodiment of this invention, and showing the awning material and its roller and pole in section.

Fig. 2 is a top plan view of the arm.

Fig. 3 is a fragmentary enlarged section on the line 3—3 of Fig. 1.

Fig. 4 is a bottom plan view of the connection of the arm to the wall engaging member; and

Fig. 5 is a horizontal sectional view taken about on the plane indicated by the line 5—5 of Fig. 1.

Referring to the drawing, the numeral 1 designates a wall engaging member or bracket, to the offstanding web of which is pivotally connected the adjustable supporting member 2 carrying at its outer extremity the foldable awning arm 3 which comprises the upper or inner section 3′ and the outer or lower section 3″. To the outer extremity of the arm is pivotally connected the bracket 4 secured to the awning pole 5.

Just above the arm bracket 1 is arranged the roller 6 and about which the awning fabric 7 is adapted to be rolled in the customary manner of devices of this type, the awning fabric extending over the forward awning pole 5 and dropping down thereover to form the curtain 7′.

The arm sections hereinbefore mentioned are connected by the pivot bolt 8 which is vertically arranged and inclined slightly forward, the outer section 3″ of the arm being offset as indicated at 9 in Fig. 2 so as to prevent the pivots from becoming alined when extended and rendering the operation of folding of the sections difficult. The inner end of the arm 3 is connected to the supporting member 2 by the vertically arranged pivot bolt 10. The arm sections are preferably of I-shaped material in cross section, and the web of the inner end of the arm is extended adjacent to the pivot 10 to form the stop lug 11 which is adapted to coact with the supporting member 2 when the arm swings laterally into extended position to thereby limit such movement in an obvious manner.

The supporting member disposed intermediate the arm and bracket 1 is pivotally connected to the latter at 12, which pivot is arranged horizontally so as to provide for movement of the arm in a vertical plane. The supporting member 2 constitutes an adjustable connection and is provided with a set screw 13 at its under portion which is adapted to coact with the lateral lug 14 on the wall bracket 1 to hold the arm 3 at adjusted position. It will be apparent that where several of the foldable arms hereinbefore described are employed for supporting an awning, said arms may be adjusted for horizontal alinement by means of the set screws 13 which are provided for this purpose. This adjustment gives the proper pitch to the arms which tends to cause them to automatically assume their extended position as the awning material is unrolled from the roller 6 in the use of this device. As the arm 3 moves into its extended position, it is automatically locked by means of the spring actuated locking member or catch 15 carried by the inner section 3′ of the arm adjacent to the pivot 8. The outer section 3″ is formed with an extension lug 16 adjacent this pivot member 8 which automatically engages with the locking catch 15, as most clearly shown in Fig. 3 of the drawing. The desirability of a locking connection of this character is apparent to those skilled in the art to which the invention refers since said

arm is prevented from folding accidentally, such as would be incidental to the action of wind on the awning 7.

Whenever it is desired to roll up the awning, the catches 15 are disengaged and upon actuation of the roller 6 in the usual manner, the arms supporting the awning will fold laterally until the front awning pole 5 assumes the dotted line position indicated in Fig. 1.

Having thus described my invention, what I claim as new is:

1. An awning arm comprising pivoted sections, one of its sections having its pivot end cut away to receive the pivot end of the other, the material of the last-mentioned end being extended past the pivot whereby to abut with the first-mentioned section when the arm is extended, a catch member adjacent to the pivot engageable with the extended portion to hold the same against the coacting section for maintaining the arm rigidly extended, and supporting means for said arm.

2. An awning support comprising in combination, a supporting bracket, an adjustable supporting member, a horizontal pivot for connecting said supporting member to the bracket whereby to provide for vertical movement, a swinging arm, a vertically arranged pivot connecting said swinging arm to the adjustable supporting member for horizontal swinging movement, and means separate from the pivots aforesaid and cooperating with the bracket and operable to adjust the arm in a vertical plane on the horizontal pivot.

In testimony whereof I affix my signature.

ROBERT B. HUGHES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."