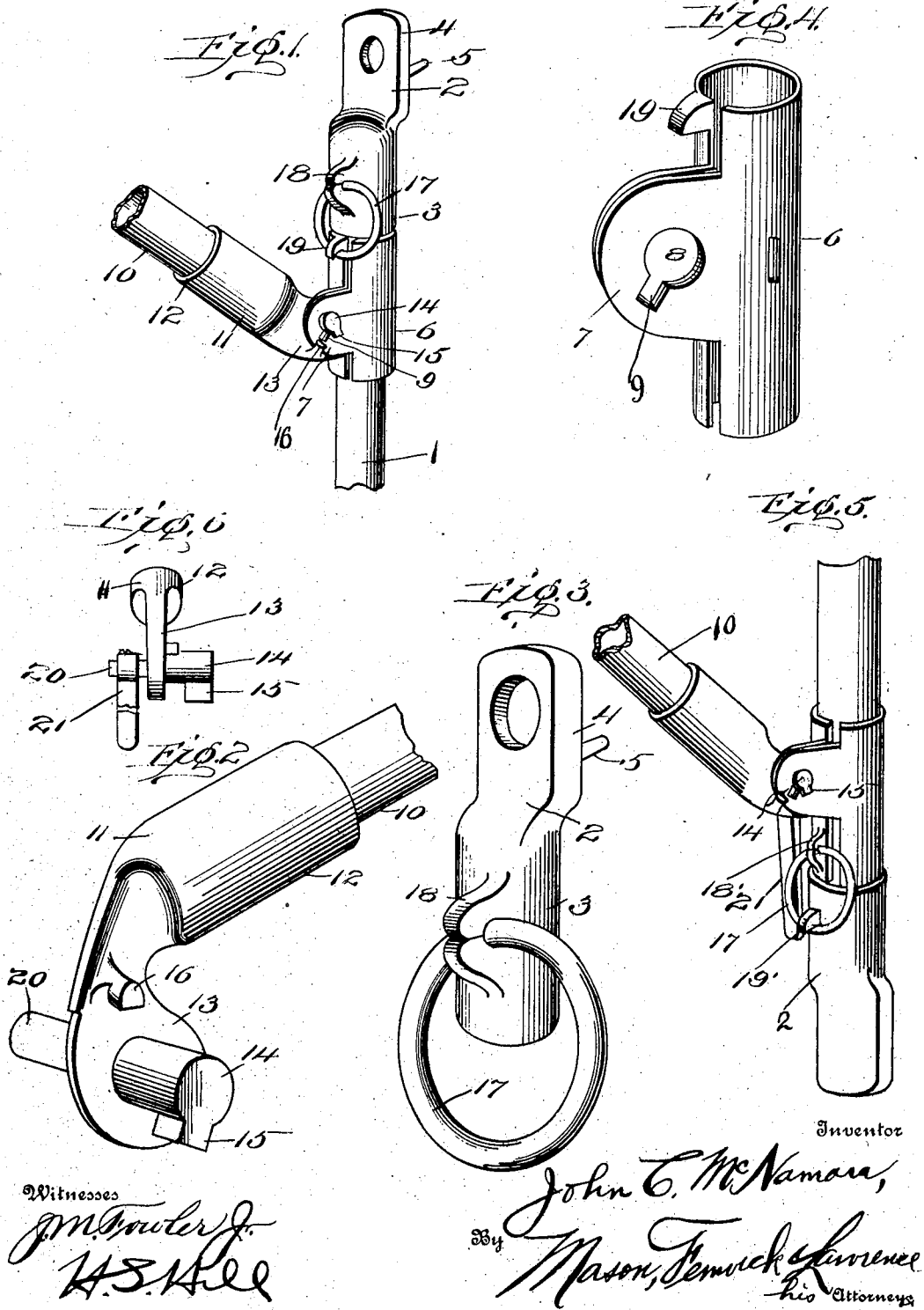


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PATENTED AUG. 11, 1908.

J. C. McNAMARA.
AWNING SUPPORT.

APPLICATION FILED SEPT. 11, 1907.



UNITED STATES PATENT OFFICE.

JOHN CALVIN McNAMARA, OF TROY, NEW YORK.

AWNING-SUPPORT.

No. 895,578.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN CALVIN McNAMARA, a citizen of the United States, residing at Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Awning-Supports; 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.

The present invention relates in general to awnings, and more particularly to an improved support for the same, the object being to so construct the support that the slide is automatically clamped in position upon the guide rod when the awning is lowered.

To this end the invention consists essentially of a slide formed in the nature of a split sleeve provided with outwardly extending ears, and an extension rod loosely connected to the ears, means being provided whereby the ears are automatically drawn together in order to clamp the sleeve about the guide rod when the awning is lowered.

With these and other objects in view, the invention comprises certain other novel constructions, combinations and arrangements of parts, as will be hereinafter fully described and claimed.

In the drawings:—Figure 1 is a perspective view of an awning support constructed in accordance with the present invention, portions of the guide rod and extension rod being broken away. Fig. 2 is a detached, perspective view of the tip at the inner extremity of the extension rod, a portion of the latter being shown. Fig. 3 is a detached, perspective view of one of the brackets employed in supporting the guide rod. Fig. 4 is a detail, perspective view of the slide. Fig. 5 is a perspective view of a modification. Fig. 6 is an end view, on a reduced scale, of the tip at the inner end of the extension rod.

In the preferred embodiment of the invention, shown in the first four figures of the drawings, the numeral 1 designates the guide rod which is held in a spaced relation to any suitable support by means of the brackets 2. In the specific construction of the brackets 2 it will be observed that the same comprise sockets 3 for the reception of the ends of the guide rod, and a perforated flange 4 by means of which the bracket is secured to the support.

If desired, the flanges 4 may be provided

upon their inner faces with projections 5 which are embedded in the support in order to hold the bracket in position, while the screws are being put in place.

The slide 6 is formed of spring material and is in the nature of a split sleeve fitting around the guide rod 1, ears 7 projecting outwardly from the slide upon opposite sides of the split therein. These ears 7 are formed with the registering openings 8, and notches 9 are formed in communication with the openings 8.

The rod 10 employed in supporting the awning is provided at its inner end with a tip 11 comprising a socket 12 for the reception of the inner extremity of the rod 10, and a flattened arm 13 arranged at angles to the socket 12. Projecting from the flattened portion 13 of the tip 11 is a stub shaft 14 adapted to enter the openings 8 in the ears 7 upon the slide 6 and to be journaled therein. At the extremity of the stub shaft 14 there is formed a laterally projecting lug 15 corresponding to the notches 9 in communication with the openings 8 in the ears 7. It will thus be readily apparent that when the extension rod 10 is turned so that the lug 15 is in registry with the notches 9, the stub shaft 14 can either be placed in position within the openings 8 or removed laterally therefrom. In order to hold the flattened arm 13 of the tip 11 in operative position against the ears 7 when the extension rod 10 is in operative position, a laterally projecting hook 16 is formed upon the said portion 13 adapted to normally embrace the edges of the ears 7. As shown in the drawings these ears 7 are preferably elongated and the notches 9 are formed so as to communicate with the lower outer portions of the openings 8. With this construction it will be readily apparent that when the rod 10 is swung into proper position for throwing lug 15 into registry with the notches 9, the hook 16 will be adjacent the upper flattened portion of the ears 7, so that it will slip over the contacting portion and enable the stub shaft 14 to be either placed in position within the openings 8 or removed therefrom.

This invention also aims to provide means whereby the slide 6 can be locked securely in position against the brackets 2, and for this purpose rings 17 are employed which have an interlocking connection with both the bracket and the slide. When the support is used in connection with large awnings, it is

desirable that the slide be locked against the upper bracket 2, and for this purpose, as shown in Fig. 1, the ring 17 is loosely connected to a perforated lug 18 projecting from the socket and is adapted to be swung into engagement with a projection 19 upon the upper portion of the slide 6. As will be readily apparent this ring 17 positively locks the slide 6 against movement upon the guide rod, and is an additional safeguard to the clamping action of the slide 6, which has been previously mentioned.

In connection with window awnings it is desirable that the ring 17 operate to lock the slide against the lower bracket, and for this purpose the said ring may be loosely connected to a perforated lug 18' projecting from the slide 6 and have a detachable connection with a projection 19' upon the lower bracket 2, as shown in Fig. 5.

In the operation of the device, it will be readily apparent that when the extension rod 10 is in a raised position, the lug 15 will be adjacent the outer portion of the ears 7, and the extremities of the ears will be drawn together while the bases thereof will spread apart and enable the slide 6 to move freely upon the guide rod 1. However, when the extension rod 10 is swung outwardly the lug 15 is moved into such a position as to draw the bases of the ears 7 together and clamp the slide 6 tightly upon the guide rod 1. The extension hook 16 is also thrown toward the base of the ears 7 when the awning is lowered and coöperates with the lug 15 to clamp the ears together and hold slide in position.

A stud 20 is shown as projecting from the outer face of the flattened arm 13, and this stud is adapted to receive a tripping lever 21 which is detachably connected to the extremity thereof.

In the form of invention shown in Fig. 5 it will be readily apparent that the tripping lever 21 can be so adjusted as to engage with the ring 17 and automatically release the same from the projection 19' when the awning is raised.

What I claim is:—

1. The combination of a guide rod, a slide operating upon the guide rod, two ears projecting from the slide and having registering perforations therein and radial notches extending from the perforations, the said ears also having a flattened side, an arm carrying a shaft journaled in the perforations of the ears, a lug projecting from the shaft and co-operating with the ears to form an interlocking connection between the arm and the ears, and a laterally projecting hook upon the arm engaging the edges of the ears, the said projecting hook being adapted to be swung into a position adjacent the flattened portion of the ears when the beforementioned lug is in registry with the notches.

2. The combination of a guide rod, a bracket therefor, a slide mounted upon the guide rod, an arm loosely connected to the slide, means whereby the slide is automatically clamped in position upon the guide rod when the arm assumes a predetermined position, a ring swung from the bracket and a lug on the side adapted to automatically engage the ring when the slide is brought to a position adjacent to the bracket.

3. In an awning support, the combination of a guide rod, an attaching bracket thereon, a slide on the rod having projecting ears with registering perforations and radial notches extending therefrom, an arm having a shaft carrying at one end a lug to pass through the radial notches when the shaft is journaled in the perforations, a ring loosely hung from the bracket, a lug on the slide to automatically engage the ring to lock the slide to the bracket when they are brought together, and a tripping lever carried by the end of the arm shaft opposite to the end which carries the lug, for disengaging the ring.

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

JOHN CALVIN McNAMARA.

Witnesses:

WM. H. HOLLISTER, Jr.,
JOSEPH H. KNIGHT.