June 21, 1927. 1,633,436

F. R. CLIFTON

AWNING ROD CLAMP

Filed Feb. 23, 1924

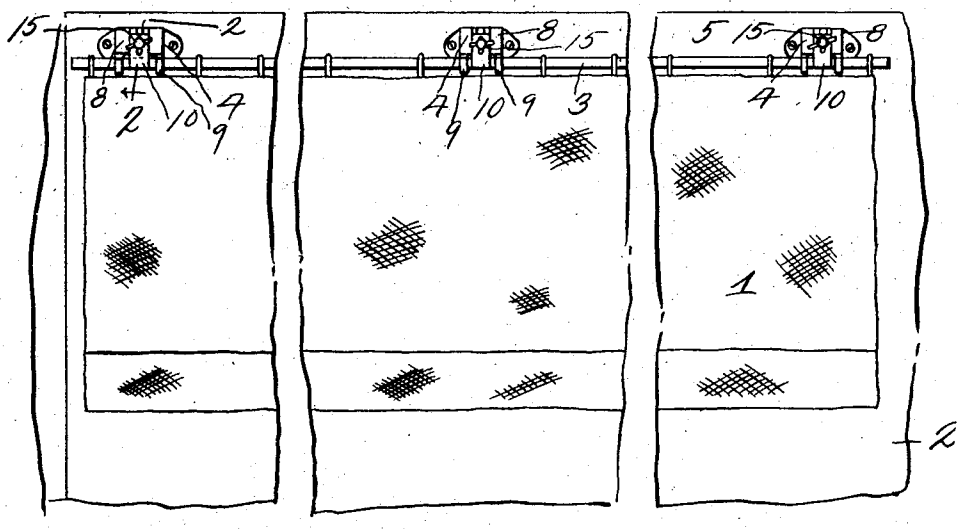


Fig. 1.

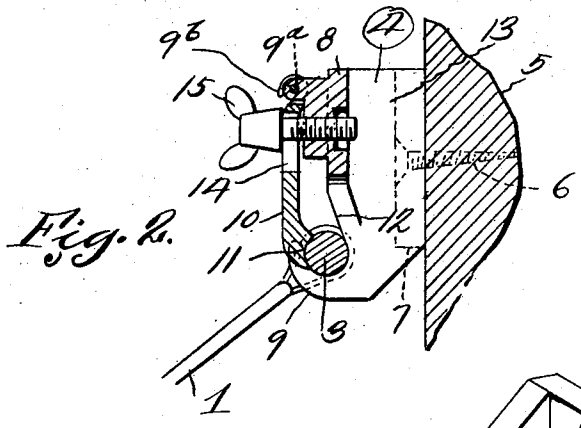


Fig. 2.

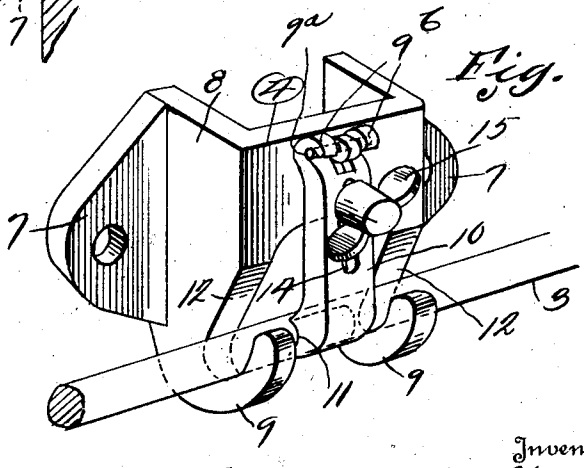


Fig. 3.

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UNITED STATES PATENT OFFICE.

FRANCIS R. CLIFTON, OF OMAHA, NEBRASKA.

AWNING-ROD CLAMP.

Application filed February 23, 1924. Serial No. 694,606.

The invention relates to awning rod clamps, and has for its object to provide clamps in which the awning head rod may be easily and quickly placed and securely clamped, and a clamp which may be easily and quickly opened for allowing removal of the rod, thereby obviating the present difficulty experienced in twisting rods of this character, for removing eyes carried thereby out of engagement with hooks.

A further object is to provide an awning rod clamp comprising a bracket adapted to be secured to a window frame and provided with spaced hooks in which the awning rod may be placed while hanging the awning and with a hinged jaw adapted to be forced into clamping engagement with the rod after the same has been placed in the hook for securely clamping the rod in position.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawing:—

Figure 1 is a front elevation of a conventional form of awning and a portion of a window, showing the device applied thereto.

Figure 2 is a detail sectional view taken on line 2—2 of Figure 1.

Figure 3 is a perspective view of one of the clamps.

Referring to the drawing, the numeral 1 designates a conventional form of awning, 2 a window frame, and 3 the head rod of the awning. The clamps 4 may be of any number desired, however three are preferable and are secured to the upper end 5 of the window frame 2 by means of screws 6, which extend through apertured lugs 7, carried by the opposite sides of the clamps. The main body 8 of the clamp is substantially U-shaped in horizontal cross section, and is provided with spaced hooks 9 formed integral therewith, which hooks receive the head rod 3 of the awning, and hold said rod when the awning is being hung. Hingedly connected at 9^a to the outer side of the body portion 8 of the clamp by means of hooks 9^b is a jaw 10, the lower end of which extends downwardly between the hooks 9 and is provided with a transverse recess 11, which engages the outer side of the rod 3, and securely clamps said rod in position against upward-movement and against upwardly and outwardly inclined outer sides 12 of the hooks 9, and which inclined surfaces 12 and recess 11 prevent upward movement of the awning rod 3, for instance when wind gets under the awning. Threaded into the outer side of the body 8 of the clamp is a bolt 13, the outer end of which extends through an elongated slot 14, and has its outer end provided with a thumb engaging head 15, whereby the bolt may be tightened or loosened when clamping the rod 3, or when removing the rod 3. By providing the elongated slot 14, it is obvious that the jaw 10 may be moved outwardly a considerable distance, sufficient to allow the removal of the rod 3 without entirely removing the bolt 13, consequently danger of dropping the bolt is obviated, during the hanging of awnings.

From the above it will be seen that an awning rod clamp is provided, which clamp is positive in its operation, will hold the rod during the awning hanging operation, even when not clamped, and one which will positively hold the rod against displacement, or becoming loose in wind storms and the like.

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

1. An awning clamp comprising a bracket adapted to be secured to a window frame, spaced outwardly extending hooked arms carried by said bracket, and adapted to receive the awning rod, a jaw hingedly connected to the bracket above the hooked arms and hingedly movable in a plane at a right angle to the bracket and rod, the lower end of said jaw being adapted to engage and hold the rod in the hooked arms and a bolt extending through an elongated slot in said jaw and into the bracket forming means whereby the jaw may be forced into clamping engagement with a rod in the hooked arms.

2. An awning rod clamp comprising a bracket adapted to be secured to a window frame, said bracket being substantially U-shaped in horizontal cross section, the lower end of said bracket being provided with spaced integral hooked arms adapted to receive a rod, the outer sides of said arms inclining upwardly and outwardly, a jaw

detachably and hingedly connected to the bracket and hingedly movable in a plane at a right angle to the bracket and a rod supported thereby, the lower end of said jaw being provided with a transverse recess adapted to receive one side of the rod, an elongated recess in the jaw and a bolt extending through the elongated recess in the jaw and into the bracket and forming means for securely clamping the rod within the hooked arms.

3. An awning rod bracket comprising a body member, spaced hooked rod receiving arms carried by said body member, a clamping jaw hingedly and detachably connected to the body member and hingedly movable in a plane at a right angle to the body member, the lower end of said jaw engaging the rod between the hooked arms and a bolt extending through said jaw and into the bracket.

In testimony whereof I hereunto affix my signature.

FRANCIS R. CLIFTON.