J. E. ROBINSON.

HEAD ROD FASTENER FOR AWNINGS.

APPLICATION FILED JULY 11, 1908. RENEWED APR. 19, 1909.

923,892. Patented June 8, 1909.

Fig. 1

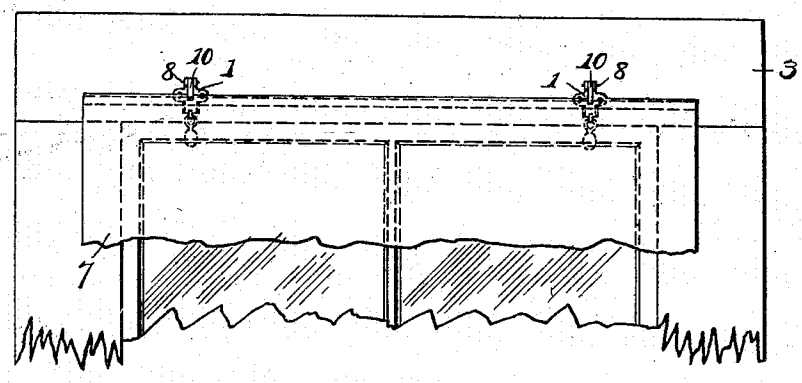


Fig. 2

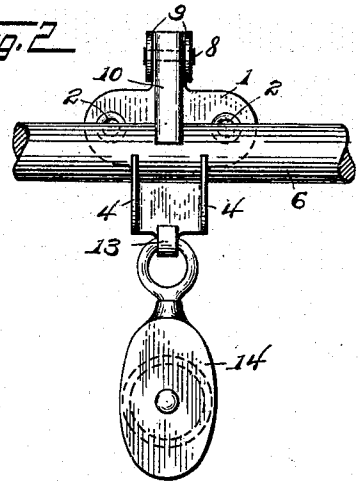


Fig. 3

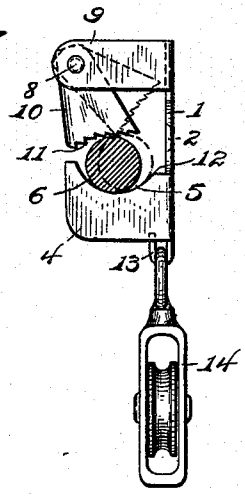


Fig. 4

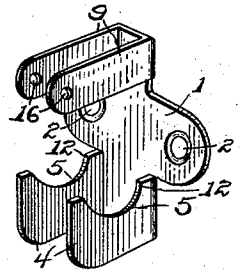
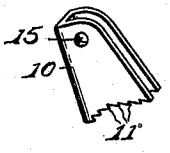


Fig. 5



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HEAD-ROD FASTENER FOR AWNINGS.

No. 923,892. Specification of Letters Patent. Patented June 8, 1909.

Application filed July 11, 1908, Serial No. 443,087. Renewed April 19, 1909. Serial No. 490,965.

To all whom it may concern:

Be it known that I, JOSEPH E. ROBINSON, a citizen of the United States of America, and resident of Wheeling, county of Ohio, and State of West Virginia, have invented certain new and useful Improvements in Head-Rod Fasteners for Awnings, of which the following is a specification.

This invention relates to improvements in awning fixtures, and more particularly to that class of awning fixtures known as head-rod fasteners; and it consists in the particular construction, arrangement and combination of parts which will hereinafter be fully described.

The chief object of the invention is to provide an extremely simple, durable, convenient and inexpensive bracket-fastener for the head-rods of awnings, which is self-contained, having no separable parts to become misplaced, lost, or dropped while being placed in position, and which is especially adapted for use in positions where available space is limited.

A further object of the invention is to provide a device of the character mentioned which is formed of sheet metal and is adapted to allow the head-rod of the awning to closely approach the wall of the building to which it is applied.

Further objects will hereinafter be made apparent in the description, reference being had therein to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a front elevation of the upper part of a mounted awning, showing my fixture applied thereto; Fig. 2 is an enlarged front elevation of the fixture, showing a head-rod mounted therein; Fig. 3 is a side elevation of the same; Fig. 4 is a detail perspective view of the fixture with the pivoted dog removed; and—Fig. 5 is a similar view of the dog, detached.

Referring to said drawing, in which like reference-numerals designate like parts throughout the several views—1 indicates the flat body portion of a plate, preferably formed of sheet-metal, having eyes 2 therein for the reception of nails or screws by means of which it is secured to the top 3 of a window casing, frame, or other appropriate support. Formed integral with the plate below the body portion 1 is a pair of parallel forwardly-directed supporting members or bracket-arms 4, each provided with a curved or rounded recess or pocket 5 therein adapted for the reception of the head-rod 6 of an awning 7.

Pivotally mounted on a pin or rivet 8 carried by the outer ends of a pair of parallel arms 9 formed integral with the plate above the body portion thereof is a dog 10 which is also preferably formed of sheet metal, being substantially U-shaped in horizontal section and having a greater width at its lower end than at its upper end, as shown. Said dog depends from the pin or rivet 8, standing normally in a substantially vertical position, and preferably has its lower end slightly concave in form to partially conform to the shape of the head-rod 6, and is provided with rearwardly-directed teeth 11 whereby said head-rod is engaged and chance withdrawal of the latter from its position on the bracket-arm 4 prevented.

Having mounted two or more of the fixtures in position, the awning is mounted in place therein by holding the head-rod in a horizontal position and simply thrusting it back between the arms 8 and the supporting members 4. In so thrusting the head-rod back, the pivoted dogs are thereby swung back, and when the said rod reaches a position against the angular shoulders 12, as shown in dotted lines in Fig. 3, the dogs slip back, of their own weight, over the top of the rod and said dogs and rod automatically assume substantially the position indicated in full lines in said Fig. 3, in which position said rod is effectually locked against chance withdrawal. When it is desired to remove the awning from its support, the head-rod is forced rearward slightly and the dogs are turned back out of interlocking engagement therewith, when said rod may be readily lifted out of position.

It will be noted that the device is readily applicable to awnings whose covers are of any weight or thickness, the relative position of the dog differing slightly with different thicknesses of cover when in interlocking engagement with the rod.

Formed integral with the lowermost portion of the plate between the members 4 is a depending hook 13 in which the usual pulley or sheave-block 14 is suspended, as shown.

For preventing chance sticking of the parts due to any cause, such as corrosion, the pivoted dog 10 is made of relatively less width

than the space between the arms 9, and the holes 15 therein are made relatively larger than the holes 16 in said arms.

From the foregoing it will be seen that I provide an extremely simple supporting-bracket of the character mentioned which does not require that any part be adjusted after the bracket has been mounted in place; which has no removable parts to become misplaced or dropped; which may be put up and taken down with a minimum of time and labor, and which need not be removed when the awning is taken down.

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

1. A fastener for the head-rods of awnings, comprising a metal plate having a pair of supporting brackets with recesses therein for the reception of the head-rod, and a pivoted member adapted for interlocking engagement with said rod.

2. A fastener for the head-rods of awnings, comprising a metal plate having a pair of supporting brackets with recesses therein for the reception of the head-rod, and a pair of arms carried by said plate over said brackets, and a pivoted dog sustained by said arms.

3. A head-rod fastener for awnings, comprising a sheet metal plate bent to form parallel supports and parallel arms overhanging and spaced away from said supports, said supports having head-rod receiving pockets therein, and a dog pivotally mounted between said arms and depending to a point above the level of said supports and adapted for interlocking engagement with a head-rod mounted in said pockets.

4. A head-rod fastener for awnings, comprising a sheet metal plate adapted to be secured to a wooden casing, a pair of forwardly-directed supporting arms formed integral with said plate at its lower end, said arms having their upper ends concavely recessed, a pair of outwardly-directed arms formed integral with said plate at its upper end, and a toothed dog pivoted between the last-mentioned arms, said dog being adapted for automatically assuming a gripping position in relation to a head-rod mounted upon the first-mentioned arms.

5. A head-rod fastener for awnings, formed from a sheet-metal blank and comprising a flat plate adapted for mounting upon a supporting wall, a pair of parallel forwardly-directed arms formed integral with said plate and standing in right angled edgewise position, said arms having recesses in their upper edges adapted for the reception of a head-rod, a second pair of integral parallel forwardly-directed arms standing in similar position above the first-mentioned arms, and a dog pivotally mounted between the second pair of arms and depending therefrom, said dog having its lower end toothed for gripping engagement with a head-rod supported by the first-mentioned arms and adapted to be swung back by the entrance of a head-rod upon said arms and to swing automatically into head-rod gripping position when the head-rod has slightly passed its normal resting position.

6. In a head-rod supporting-bracket for awnings, a sheet-metal plate adapted for mounting against a wall, two pairs of forwardly-directed arms formed integral with said plate, one pair of arms being located above the other, the lower pair of arms having head-rod receiving pockets therein, and a dog pivotally supported by the upper pair of said arms, said dog being adapted for automatically assuming a gripping engagement with a head-rod supported by the lower pair of arms for preventing the withdrawal of said rod.

7. In an awning fixture, a plate having a pair of integral supporting brackets with recesses therein, a pair of arms overhanging said brackets, a pivoted member suspended from said arms and adapted to coöperate with said brackets for holding a head-rod in position on the latter, and a hook disposed intermediate said brackets.

8. A fastener for the head-rods of awnings, comprising a metal plate having a pair of supporting brackets with recesses therein for the reception of the head-rod, a pair of arms carried by said plate over said brackets, a pivoted dog sustained by said arms, and a pulley-supporting hook located intermediate said brackets.

9. A fastener for the head-rods of awnings, comprising a plate having a pair of outwardly-directed parallel supporting arms provided with recesses for the reception of a head-rod, a pair of outwardly-directed parallel arms formed integral with said plate and overhanging the first-mentioned arms, a dog pivoted between the last-mentioned arms and adapted to coöperate with said first-mentioned arms for retaining a head-rod in position, and a hook formed between the first-mentioned arms.

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

JOSEPH E. ROBINSON.

Witnesses:
E. A. LENKARD,
H. E. DUNLOP.