Feb. 6, 1940. A. M. TREFFEISEN 2,189,525

HEAD ROD HOLDER FOR STATIONARY AWNINGS

Filed May 2, 1939

Fig. 1.

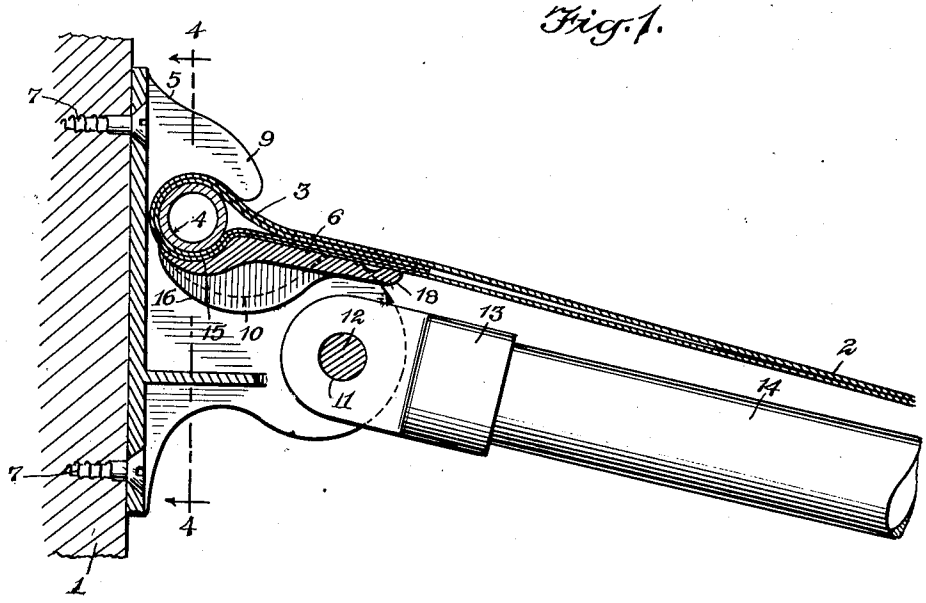


Fig. 2.

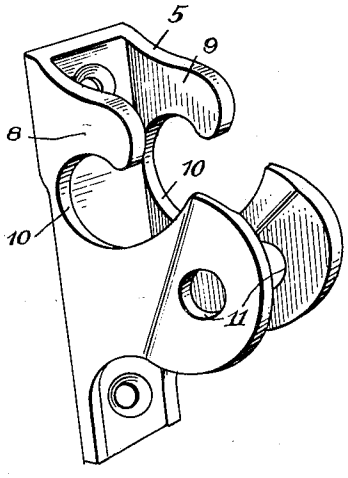


Fig. 3.

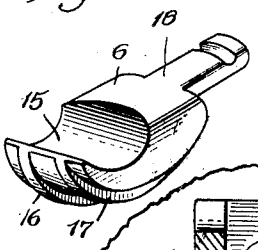
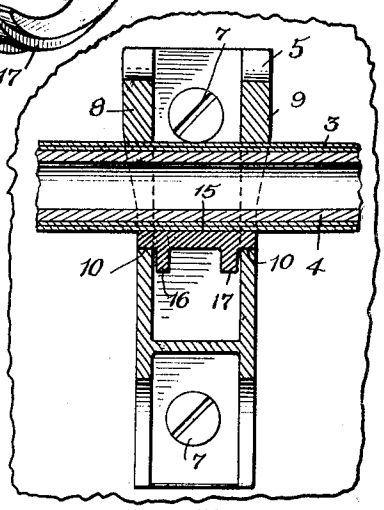


Fig. 4.



WITNESSES

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HEAD ROD HOLDER FOR STATIONARY AWNINGS

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1 Claim. (Cl. 156—15)

This invention relates to awnings and particularly to an improved head rod holder for stationary awnings, an object being to provide a construction which may be easily mounted and demounted.

Another object of the invention is to provide a head rod holder which includes a bracket and a movable holding element arranged to function automatically as the awning is stretched and to be readily removed when the awning is sufficiently slackened, whereby the awning may be applied and removed without the use of tools.

A further and more detail object of the invention is to provide a head rod holding element coacting with a specially formed bracket and provided with a body portion adapted to pinch the awning fabric against the head rod and an arm adapted to be actuated by the canvas of the awning for forcing the body into clamping position.

In the accompanying drawing—

Fig. 1 is a fragmentary sectional view through part of an awning, the head rod, and a support therefor;

Fig. 2 is a perspective view of the supporting bracket shown in Fig. 1;

Fig. 3 is a perspective view of the rod-holding element or clamp shown in Fig. 1;

Fig. 4 is a sectional view through Fig. 1 approximately on the line 4—4.

Referring to the accompanying drawing by numerals, 1 indicates a wall of any kind, as for instance the wall of a building, and 2 indicates part of the canvas of a stationary awning. The canvas 2 is provided with a loop 3 through which the head rod 4 extends. The head rod 4 and loop 3 coact with a bracket 5 and a holding element 6. The bracket 5 may be secured to wall 1 in any desired manner, as or instance by screws 7, while the holding element or clamp 6 is loosely fitted into the bracket and is brought into full functioning position by the awning 2 when the same has been tightened. As a matter of fact, the tighter the awning 2 becomes the greater the holding element 6 will press against the head rod 4. It will be understood that two, three, or more of the brackets 5 and members 6 are provided for the awning according to the length thereof.

Each bracket 5 is formed as shown in Fig. 2, wherein upstanding side members 8 and 9 are presented and each side member is provided with an arc-shaped notch 10 and a bore 11. A bolt or pin 12 extends through the bore 11 and through a fitting 13 carried by the rod or tube 14 for holding the rod or tube in correct position. The rod or tube 14 and the fitting 13, as well as the bolt 12, are old and well known structures and function in the usual way.

The clamping element 6 is provided with an arc-shaped recess 15 which presses against part of the loop 3, as shown in Fig. 1, while holding the same tightly against the rod 14. On the exterior surface the element 6 is provided with guiding beads 16 and 17 which fit between the members 8 and 9, as shown in Fig. 4, so as to prevent the element 6 from leaving the bracket when tension is brought to bear on the element 6. A handle or arm 18 extends from the clamping element 6 substantially parallel to the rod 14 when the parts are in full functioning position. The clamping element 6 is loosely and movably mounted in the notches 10 so that it may be applied or removed at any time except when the awning 2 is under tension. When the awning 2 is under tension, as shown in Fig. 1, the arm 18 is being forced downwardly and the recessed portion 15 is being forced upwardly.

When it is desired to remove the head rod 4 and associated parts, the awning is swung upwardly until the loop 3 becomes loose and then the arm 18 is swung upwardly manually and the clamp 6 pulled out of the bracket. The rod 4 and loop 3 may then be readily removed. A reverse procedure will place the parts back into position, as illustrated in Fig. 1.

I claim:

A head rod holder for stationary awnings including a bracket having a pair of side plates, each plate being provided with an arc-shaped notch, said notches being aligned, and a substantially arc-shaped clamping member fitting into said notches, said clamp having a body formed with a groove in the upper surface and a pair of spaced beads on the under surface, said beads extending between the side plates of said brackets for preventing the lateral movement of the clamping member, said clamping member having an extension adapted to be pressed by the canvas of the awning for moving the clamping member into functioning position.

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