S. W. STACK.

CURTAIN POLE SUPPORT.

APPLICATION FILED DEC. 3, 1920.

1,380,848. Patented June 7, 1921.

Fig. 1.

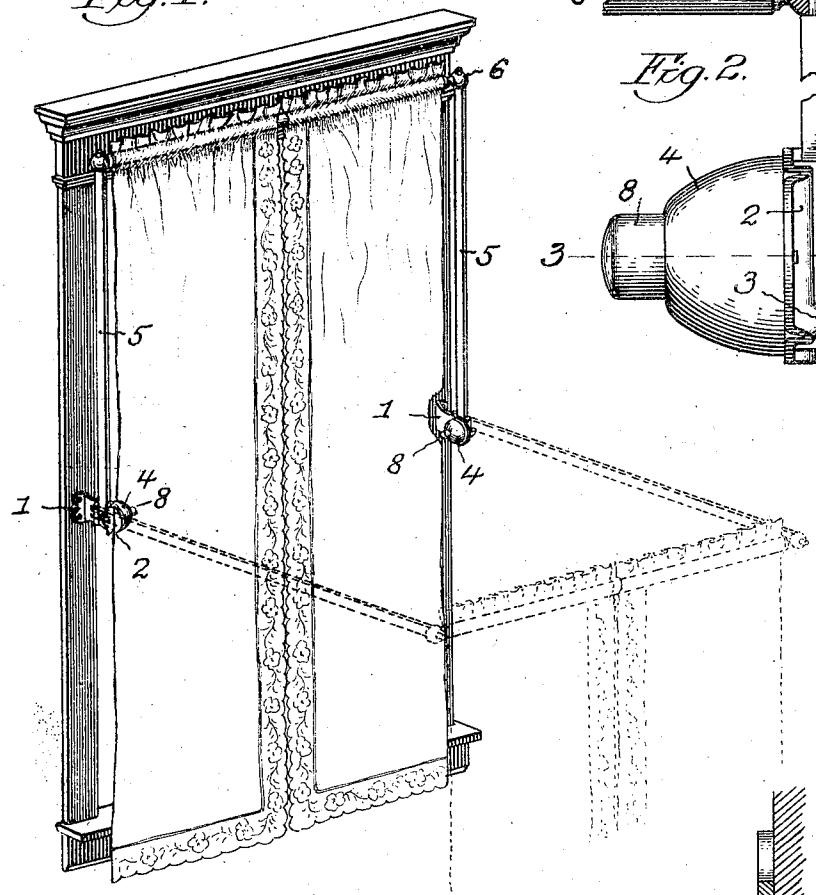


Fig. 2.

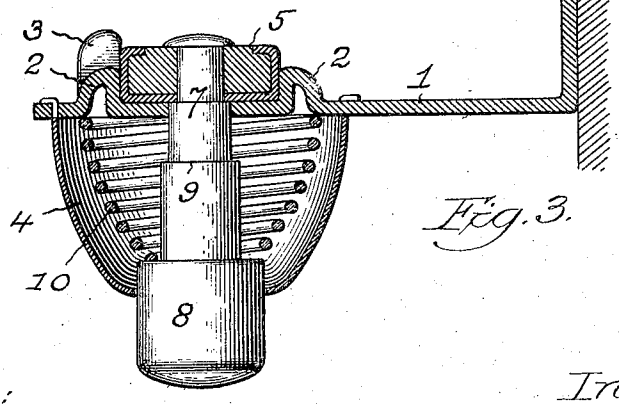


Fig. 3.

Witness:
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UNITED STATES PATENT OFFICE.

STANLEY W. STACK, OF CHICAGO, ILLINOIS.

CURTAIN-POLE SUPPORT.

1,380,848. Specification of Letters Patent. Patented June 7, 1921.

Application filed December 3, 1920. Serial No. 427,955.

To all whom it may concern:

Be it known that I, STANLEY W. STACK, a citizen of the United States of America, and a resident of Chicago, in the county of Cook, State of Illinois, have invented certain new and useful Improvements in Curtain-Pole Supports, of which the following is a specification.

This invention relates to that class of swinging supports for window curtains which are adapted to be lowered to a convenient position in a replacement or other like operation of the curtain, and the present improvement has for its object:—

To provide a simple and efficient structural formation and association of parts whereby a ready and convenient release of the swinging carrying arms of the support is attained, and with which said arms are secured and held in their upright position in a firm and substantial manner, all as will hereinafter more fully appear.

In the accompanying drawing:—

Figure 1, is a perspective view illustrating the general arrangement of parts in the present invention.

Fig. 2, is a detail front elevation of a carrying arm and its supporting bracket.

Fig. 3, is a detail horizontal section on line 3—3 Fig. 2.

Like reference numerals indicate like parts in the different views.

Referring to the drawing, 1, 1, designate companion bracket members secured near the mid-height of a window frame and to the vertical side rails of the same, and provided at their outer ends with heads or enlargements having a detail construction as follows:—

2, 2, designate a pair of vertical ribs formed on the inner face of each bracket member 1 in equally spaced relation from a centrally disposed pivot orifice in the bracket end, and adapted to provide a receiving and holding channel for an individual supporting arm of the fixture.

3 designates a stop lug formed on the outer vertical rib 2 aforesaid, a distance below the pivot orifice aforesaid, and adapted to provide a holding stop for an individual pole supporting arm of the fixture.

4 designates a shell or casing secured to the inner face of a bracket member 1 in concentric relation to the pivot orifice of the same and adapted to house and guide the releasing mechanism hereinafter described.

5 designates the pair of supporting bars or arms carrying at upper ends the usual curtain pole 6 attached to said arms in any usual removable manner. Said arms are of any usual form in cross-section, preferably the rectangular form shown in Fig. 3, and are pivotally attached at their other ends to their respective bracket members 1 by means as follows:—

7 designates a pivot stud fixedly attached to the lower end of an arm 5 and having journal bearing in the before mentioned centrally disposed pivot orifice of a bracket 1 and adapted to maintain said arm 5 in associated relation to the vertical holding ribs 2 of the bracket. The pivot stud 7 extends centrally through the shell or casing 4 and has at its free end an enlarged operating and guiding head 8, and intermediate its length is formed with a stop shoulder 9 by means of which its outward movement is limited.

10 designates a coiled spring arranged between the head 8 of the pivot stud 7 and an adjacent face of a bracket 1 and adapted by its resiliency to move the pivot stud inwardly and maintain a supporting arm 5 in place in the holding socket formed by the aforesaid vertical ribs 2 of the bracket.

In use, the operator presses outwardly on the heads 8 to move the arms 5 out of engagement with the vertical ribs 2, after which said arms and the curtain pole 6, can be swung down into a convenient horizontal position, illustrated in dotted lines in Fig. 1, and in which position the parts are supported by the stop lugs 3 aforesaid. In moving the parts back to a normal upright position, it is only necessary to push the same upwardly until the arms 5 come into vertical alinement with the holding channels between the ribs 2, at which point the springs 9 automatically act to move the arms into holding engagement with said recesses.

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

1. In a curtain pole support of the type described, a swinging arm adapted to carry a curtain pole at one end, a bracket member adapted for attachment to a window frame and having an expanded pivot head at its free end provided with a vertical holding channel in one face for holding engagement with said arm and with a pivot orifice central of said channel, a pivot stud for the

pivotal connection of the arm to the bracket, and means for effecting manual disengagement of the arm from said channel.

2. In a curtain pole support of the type described, a swinging arm adapted to carry a curtain pole at one end, a bracket member adapted for attachment to a window frame and having an expanded pivot head at its free end provided with a vertical holding channel in one face for holding engagement with said arm, with a pivot orifice central of said channel and with a stop lug at one side of said channel, a pivot stud for the pivotal connection of the arm to the bracket, and means for effecting manual disengagement of the arm from said channel.

3. In a curtain pole support of the type described, a swinging arm adapted to carry a curtain pole at one end, a bracket member adapted for attachment to a window frame and having an expanded pivot head at its free end provided with a vertical holding channel in one face for holding engagement with said arm, a casing secured to the opposite face of the bracket, a headed pivot stud secured to said arm and extending through said shell and bracket, and a spring associated with said stud and adapted to maintain said arm in the holding channel of the bracket.

4. In a curtain pole support of the type described, a swinging arm adapted to carry a curtain pole at one end, a bracket member adapted for attachment to a window frame and having an expanded pivot head at its free end provided with a vertical holding channel in one face for holding engagement with said arm and with a stop lug at one side of said channel, a casing secured to the opposite face of the bracket, a headed pivot stud secured to said arm and extending through said shell and bracket, and a spring associated with said stud and adapted to maintain said arm in the holding channel of the bracket.

5. In a curtain pole support of the type described, a swinging arm adapted to carry a curtain pole at one end, a bracket member adapted for attachment to a window frame and having an expanded pivot head at its free end provided with a vertical holding channel in one face for holding engagement with said arm, a casing secured to the opposite face of the bracket, a headed pivot stud secured to said arm and extending through said shell and bracket, said stud having an operating head at its free end and a stop shoulder intermediate its length, and a spring associated with said stud and adapted to maintain said arm in the holding channel of the bracket.

Signed at Chicago, Illinois, this 30th day of November, 1920.

STANLEY W. STACK.