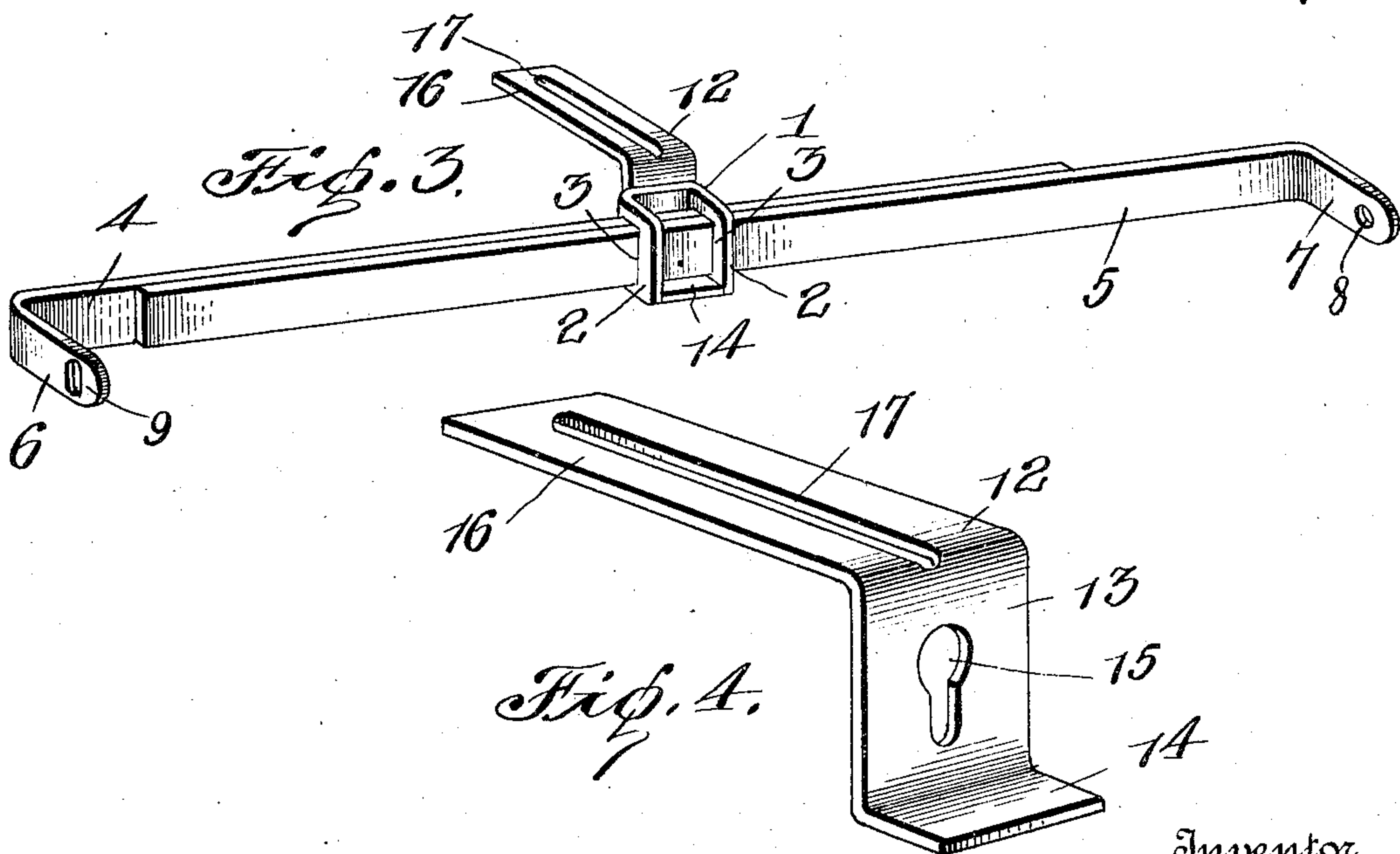
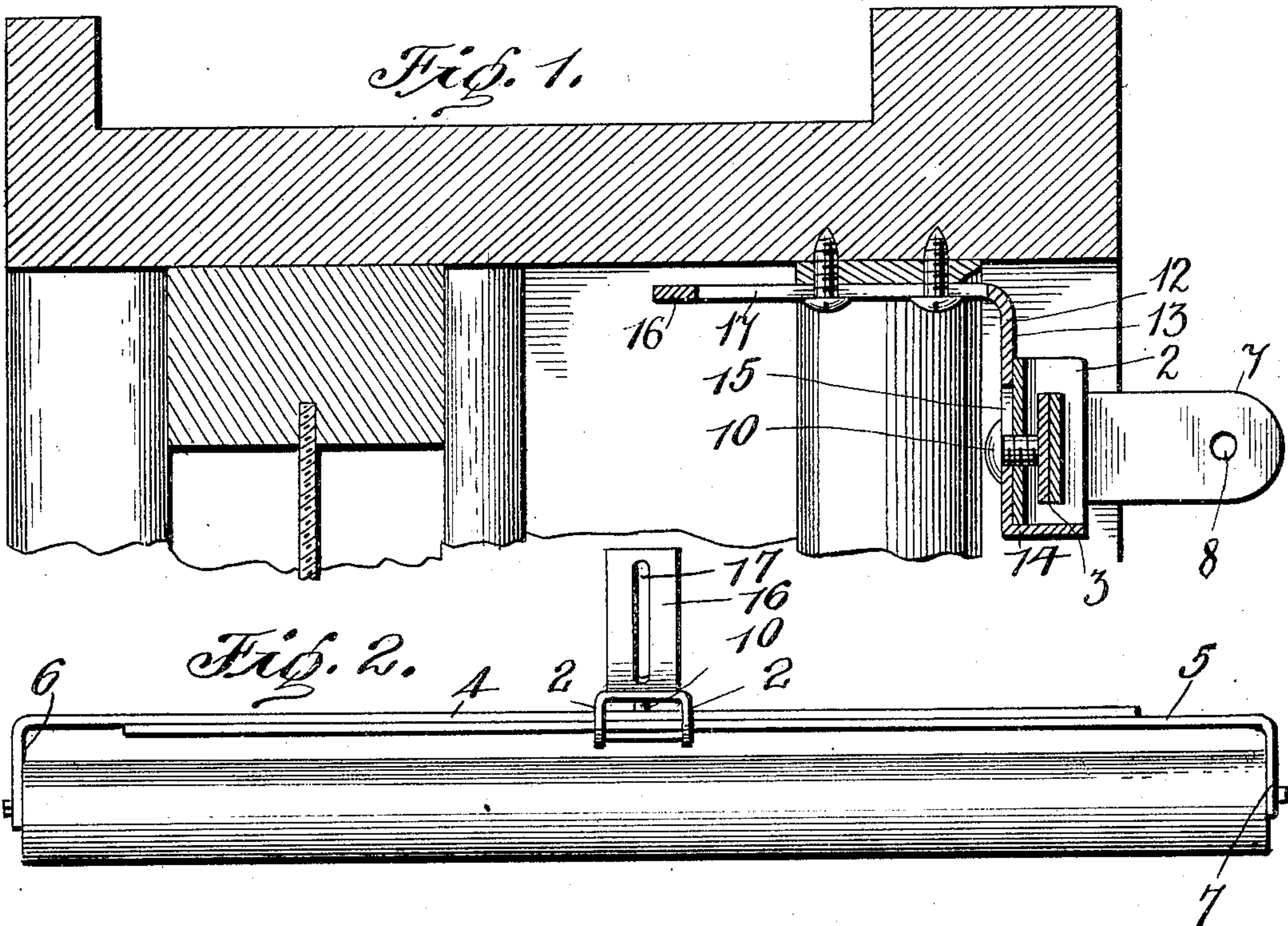


No. 789,875.

PATENTED MAY 16, 1905.

A. H. PALMER.  
SHADE BRACKET AND HANGER.  
APPLICATION FILED FEB. 13, 1905.



Witnesses  
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# UNITED STATES PATENT OFFICE.

ARCHA H. PALMER, OF OWOSSO, MICHIGAN, ASSIGNOR OF ONE-HALF TO  
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## SHADE-BRACKET AND HANGER.

SPECIFICATION forming part of Letters Patent No. 789,875, dated May 16, 1905.

Application filed February 13, 1905. Serial No. 245,450.

*To all whom it may concern:*

Be it known that I, ARCHA H. PALMER, a citizen of the United States, residing at Owosso, in the county of Shiawassee and State of Michigan, have invented certain new and useful Improvements in Shade-Brackets and Hangers; and I do 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.

This invention relates to improvements in shade-brackets and hangers.

The object of the invention is to provide a shade-bracket which may be quickly and easily adjusted to fit various lengths of shade-rollers and various widths of window-frames.

A further object is to provide a hanger which may be adjustably secured to the window-frame.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a vertical sectional view through a window-frame, showing the application of the invention. Fig. 2 is a top plan view of the bracket and hanger removed from the window and showing a shade-roller in position in the same. Fig. 3 is a perspective view of the bracket and hanger, and Fig. 4 is a similar view of the hanger-bar detached from the clamping-plate.

Referring more particularly to the drawings, 1 denotes a clamping-plate having right-angularly-bent ends forming flanges 2. In said flanges 2 are formed aligned vertically-disposed slots 3. The flanges 2 project slightly below the lower edge of the clamping-plate 1 for a purpose which will be hereinafter described.

Within the aligned slots 3 are adjustably mounted oppositely-projecting supporting-bars 4 and 5, the outer ends of which are bent at right angles to form roller-brackets 6 and 7. In the brackets 6 is formed an elongated aperture 9 to receive the rectangular lug on the end of the said roller, while in the bracket 7 is formed a circular aperture 8 to receive the

cylindrical stud or lug on the opposite end of the said roller. The supporting-bars 4 and 5 are adapted to be drawn apart or pushed together to vary the distance between the said roller-brackets 6 and 7, thereby accommodating said supporting-bars to various lengths to said rollers and to different-width window-frames. Any suitable means may be employed for holding or clamping the supporting-bars in their adjusted position, said clamping devices being here shown as a set-screw 10, which is screwed through a threaded aperture in the clamping-plate 1 and into engagement with the supporting-bars, thus binding or clamping the same together in the slots 3 and holding the same in their adjusted positions.

In order that the supporting-bars may be detachably and adjustably connected to a window-frame, a hanger-bar 12 is provided, said hanger-bar preferably consisting of a vertical portion 13, provided at its lower end with a forwardly-projecting right-angularly-bent flange 14. This flange 14 is adapted to engage the lower edge of the plate 1 and to extend forwardly between the lower projecting edges of the flanges 2, thereby forming an interlocking engagement with the clamping-plate 1. In the vertical portion 13 of the hanger is formed a keyhole-slot 15, which is adapted to be engaged with the head of the set-screw 10, thereby holding the hanger firmly in place on the clamping-plate 1. The upper end of the portion 13 is provided with a rearwardly-projecting horizontally-disposed attaching-plate 16, in which is formed a longitudinally-disposed slot 17. Through said slot 17 is adapted to be driven one or more attaching-screws or other fastening devices, whereby the same may be adjustably secured to the under side of the upper window-stop or cross-piece of the window-frame, as shown in Fig. 1 of the drawings. By constructing the hanger 12 as herein shown and described the same may be quickly attached to the window-frame, and to said hanger the supporting-bars may be easily attached or detached to support the said roller. The slotted plate 16 permits the hanger to be adjusted to bring the supporting-bars to any desired position be-



tween the side pieces of the window-frame or beyond the same.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. A shade-bracket and hanger, consisting of an apertured clamping-plate, parallel oppositely-projecting supporting-bars adjustably mounted in said plate, a set-screw adapted to be screwed into engagement with said bars to hold the same in their adjusted positions, a right-angularly-disposed hanger removably connected to said clamping-plate, and means whereby said hanger is adjustably

secured to a window-frame, substantially as described.

2. A shade-bracket hanger consisting of a clamping-plate having right-angularly-formed apertured flanges, oppositely-projecting supporting-bars adjustably mounted in said apertured flanges, right-angularly-projecting shade-roller brackets formed on said bars; a set-screw arranged in said clamping-plate to hold or clamp said bars in their adjusted positions, a right-angularly-formed hanger having a keyhole-opening whereby the same is detachably engaged with said clamping-screw and an elongated slot whereby the same is adjustably secured to the upper cross-piece of the window-frame, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ARCHA H. PALMER.

Witnesses:

FRANK TRAFFORD,  
CLAUD GRANT.