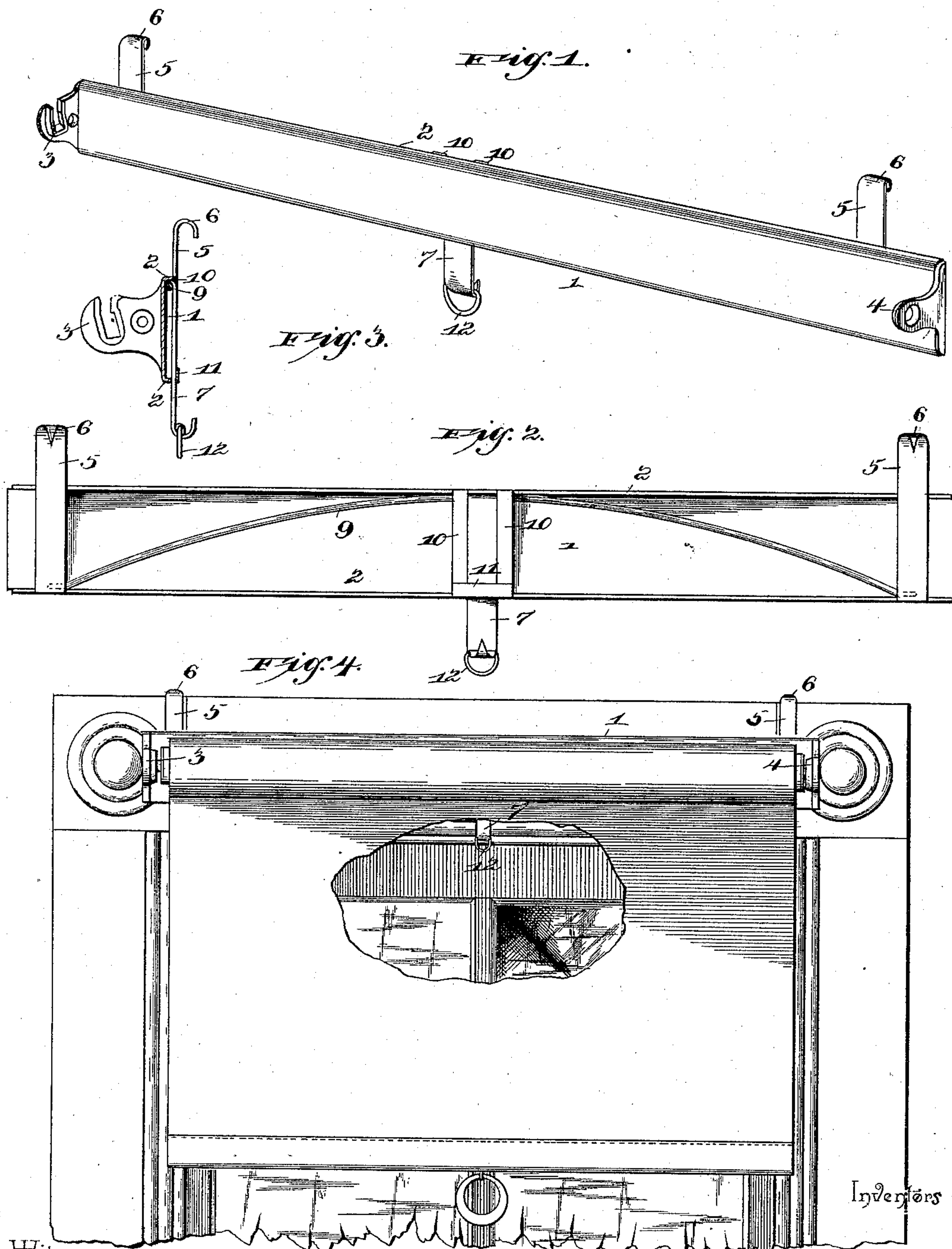


(No Model.)

A. & J. BAIR.  
WINDOW SHADE SUPPORT.

No. 540,294.

Patented June 4, 1895.



Witnesses

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# UNITED STATES PATENT OFFICE.

ALVIN BAIR AND JONATHAN BAIR, OF TIFFIN, OHIO.

## WINDOW-SHADE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 540,294, dated June 4, 1895.

Application filed February 28, 1895. Serial No. 540,092. (No model.)

*To all whom it may concern:*

Be it known that we, ALVIN BAIR and JONATHAN BAIR, citizens of the United States, residing at Tiffin, in the county of Seneca and State of Ohio, have invented a new and useful Window-Shade Support, of which the following is a specification.

This invention relates to an improvement in devices for supporting window shades and securing the same in place on a window casing.

The object of the invention is to provide a simple and inexpensive clamping frame, which may be easily and quickly attached to or removed from a window frame or casing, and which is adapted to receive the shade roller and shade.

The invention consists in making a metallic frame of sufficient length to carry at its ends the perforated ears or lugs for receiving the shade roller journals, and in providing said frame with a series of hooked arms or fingers which are adapted to stride and engage a window casing; in making one or more of said arms or fingers adjustable vertically for clamping the frame to the window casing, and in combining with the adjustable arm or arms a spring for holding the same in engagement with the window casing; also in certain features and details of construction and arrangement of parts hereinafter fully described, illustrated in the drawings, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the improved spring-clamping shade-supporting frame, taken from a front side. Fig. 2 is an elevation of the rear side of the same, showing the fixed and spring-actuated clamping-arms, spring, &c. Fig. 3 is a transverse vertical section through the shade-supporting frame, taken at the center thereof. Fig. 4 illustrates the manner in which the clamping-frame is attached to a window-casing.

Similar numerals of reference indicate corresponding parts in the figures of the drawings.

Referring to the drawings, 1 indicates the main body of the clamping frame, which is formed from a long narrow strip or piece of sheet metal provided at top and bottom with overturned and rearwardly projecting horizontal edges 2, forming strengthening ribs or

flanges for giving the requisite rigidity and strength to the clamping frame as a whole. At either end the frame 1 is provided with forwardly extending perforated ears or lugs 3 and 4, which may be either formed in one piece with the frame 1 or be made separately therefrom and secured thereto in any usual or preferred manner, being adapted to receive the journals of the shade roller in a manner well understood.

5—5 indicate two arms or fingers provided at their upper ends with curved and pointed hook portions 6, which are adapted to engage the upper edge of the top bar of a window casing, as illustrated in Fig. 4. But two of said hooked arms or fingers are shown. More may be employed, if found desirable.

7 indicates a vertically adjustable and sliding arm or finger provided at its lower end with a pointed hooked portion similar to the arms 5, above described. The sliding arm 7 is secured at its upper end to a bow-shaped spring 9, lying between the ribs or flanges 2 of the frame 1, and bearing at its lower free ends against the lower rib or flange, said free ends of the spring being confined between the arms 5 and the plate 1, as shown, and thereby prevented from escaping. Two straps 10 extend vertically across and connect the upper and lower ribs or flanges 2 on either side of the sliding arm or finger 7 for guiding the movements of said guide or finger and confining the spring 9 so it cannot escape. An additional strap 11 connects the straps 10 at the lower ends, overlying the sliding arm 7 and preventing the escape thereof. The fixed clamping arms 5 and the straps 10 and 11 are preferably soldered to the main body of the frame 1, but it will be apparent that they may be secured thereto in any usual or preferred manner. A loop or ring 12 at the lower end of the adjustable spring-actuated clamping arm 7 facilitates the application of the supporting frame to the window casing and its removal therefrom.

From the foregoing description, it will be apparent, that the clamping frame as a whole may be quickly and easily applied and removed, that the device is extremely simple and not liable to get out of order, and that it is strong and durable. The number of fixed and adjustable clamping arms and fingers



may be increased, if found desirable, and other 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 our invention, we claim—

1. A window shade support comprising a suitable frame made from sheet metal, perforated ears or lugs adapted to receive the shade roller, stationary hooked arms or fingers for engaging the window casing, a sliding clamping arm mounted on said frame, a guide-way in said frame for said clamping arm and a spring for moving said sliding arm into engagement with the window casing, substantially as described.

2. In a window shade support, an elongated metallic frame, and the perforated ears or lugs carried thereby for receiving the shade roller, in combination with a series of hooks or clamps carried by said frame, one or more of said clamps being adjustable relatively to said frame, straps for guiding said adjustable clamp, and a spring connected with the ad-

justable clamp and arranged within and confined by said straps, for the purpose and substantially as described.

3. In a window shade support, a frame made of sheet metal and provided with a surrounding flange, perforated ears or lugs for the reception of the shade roller, fixed clamping arms or fingers for engaging the window casing, a movable clamping arm or finger having a sliding connection with said frame and also adapted to engage the window casing, a spring arranged within the plane of said surrounding flange and bearing against said movable clamping arm or finger, and straps for retaining said spring in place and also forming guides for the sliding clamping arm, all arranged in the manner, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

ALVIN BAIR.

JONATHAN BAIR.

Witnesses:

WELLINGTON J. GRIFFITH,  
ANNA DORSEY.