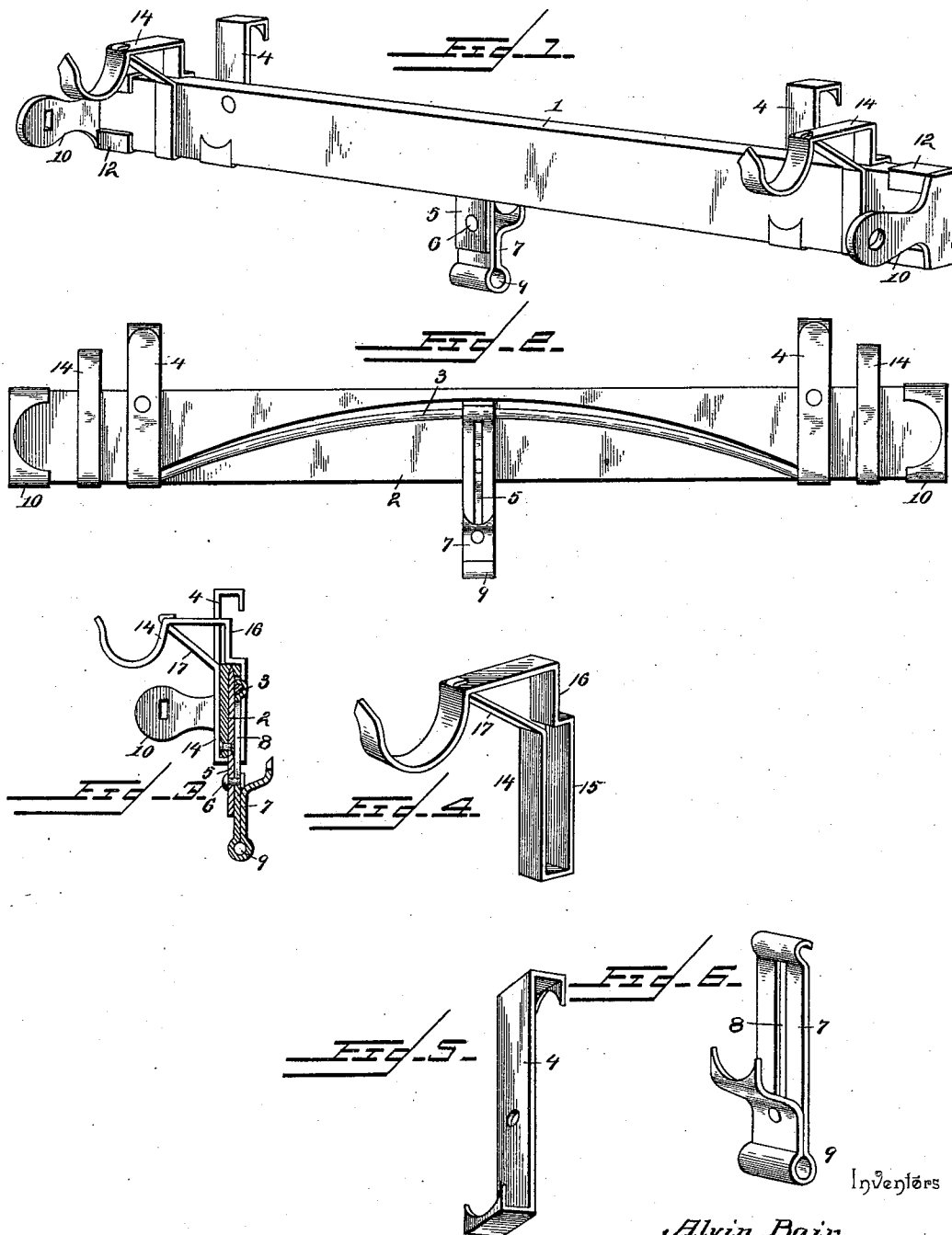


(No Model.)

A. & J. BAIR.  
WINDOW SHADE SUPPORT.

No. 565,419.

Patented Aug. 11, 1896.



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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. 565,419, dated August 11, 1896.

Application filed July 13, 1895. Serial No. 555,909. (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 combined window-shade and curtain-pole supports, and has for its object to simplify and improve the construction illustrated and described in Letters Patent No. 540,294, granted to us June 4, 1895.

One object of this invention is to provide a novel form of clamping-finger for retaining the device as a whole in place upon the window-casing.

Another object of the invention is to provide a curtain-pole attachment adapted to be applied to the main body of the clamping-frame and constructed in such manner that it will support the curtain-pole at a higher elevation than and clear of the shade-roller.

Other objects and advantages of the invention will appear in the course of the subjoined description.

The invention consists in a combined window-shade and curtain-pole support adapted to be clamped to a window-casing and embodying certain novel features and details of construction and arrangement of parts, whereby advantages in point of simplicity and adjustability are attained, as hereinafter fully described, illustrated in the drawings, and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the improved shade and curtain-pole holder constructed in accordance with this invention. Fig. 2 is a rear elevation of the same, showing the spring for actuating the clamping-finger. Fig. 3 is a vertical cross-section through the center of the device and also through the spring-actuated clamping-finger. Fig. 4 is a detail perspective view of one of the laterally-adjustable and sliding curtain-pole brackets. Fig. 5 is a detail view of one of the stationary fingers which engage with the upper edge of the window-casing. Fig. 6 is a similar view of the spring-actuated clamping-finger detached.

Similar numerals of reference designate corresponding parts in the several figures of the drawings.

This invention contemplates the use of a wooden rail or bar 1, in lieu of the metal frame illustrated and described in the said former patent granted to us, said wooden rail or bar being cheaper and capable of being more easily worked into the proper shape to have the improved devices applied thereto. This rail or bar has formed in its rear face a segmental recess or depression 2, which is adapted to receive an arched spring 3, preferably of wire, having its opposite ends engaged beneath and adapted to slide under a pair of hooks or fingers 4, attached rigidly to said rail or bar. These fingers or hooks are formed each from a strip of metal, and the opposite ends thereof are centrally notched to form a pair of barbs or prongs, as shown. The lower end of each finger is given a U-shaped bend, so as to engage with the lower edge of the rail or bar 1, the prongs or barbs at such end being driven into or embedded in such lower edge to assist in holding such finger in place. Each finger is further secured in place by means of a headed pin or rivet which passes through the same and through the bar or rail at or near the upper edge of the latter. Said fingers are extended a suitable distance above the top edge of the rail or bar and are each given a semicircular or U-shaped bend in such manner as to dispose the barbs or prongs thereof downward for adapting the same to engage with the upper edge of the window-casing.

5 designates a metal plate which is located centrally of the segmental recess or depression 2, and is formed at its upper end with barbs or prongs embedded in the bar or rail 1, as shown, and also secured to the latter at or near its lower edge by means of a headed pin or rivet. This plate is extended at its lower end below the lower edge of the bar 1 and carries a headed pin or stud 6.

7 indicates the spring-actuated finger, which is formed from a strip of metal having a longitudinally-extending slot 8, adapted to receive and slide upon the pin or stud 6, the head of the latter effectually preventing the escape of such finger. The upper end of this

finger is given a semicircular bend to embrace the arched spring 3, and at its lower end is recurved or bent upon itself to form a loop or scroll 9, said loop or scroll forming a finger-grasp, by means of which the adjustable finger 7 may be manipulated. The recurved portion referred to is riveted to the main body of the finger, as shown, and is then extended rearwardly and again upwardly and formed with barbs or prongs, adapting such finger to engage with the lower edge of the upper rail of the window-casing in a manner similar to that described in the said former patent referred to. By means of this construction it will be seen that the device, as a whole, may be quickly applied to or removed from the window-casing.

10 designates a pair of shade-roller brackets formed of metal and preferably comprising each, in addition to the ear portion, a socket or cuff portion 12, adapted to embrace the end of the bar 1. Any form of shade-roller bracket may, however, be employed in lieu of that shown.

14 designates a pair of curtain-pole brackets, each of which is formed from a sheet-metal blank consisting of a strip of metal of any desired width and of a length adapting the same to be bent at its central portion to form a rectangular loop 15, which will closely embrace and surround the rail or bar 1 and adapt the bracket, as a whole, to be slid longitudinally thereon for the purpose of accommodating curtain-poles of different lengths. After forming such loop, one of the terminals of the blank is extended upwardly, as indicated at 16, and thence forwardly and horizontally any desired distance, and terminates in a semicircular or U-shaped extension for the reception of the curtain-pole. The other terminal of the blank is extended forwardly and upwardly to form an inclined brace 17, the extremity thereof being reduced in width and passed through a perforation adjacent to and made in the inner end of the U-shaped extension referred to, such reduced portion being bent or clenched, as shown, in order to prevent its escape. By reducing the extremity of the brace 17 oppositely-disposed shoulders are formed which abut against the under side of the other terminal of the blank, thus serving to greatly strengthen the construction.

From the foregoing description it will be seen that a very simple, inexpensive, and efficient combined shade-roller and curtain-pole support is obtained, wherein provision is made for readily engaging and disengaging the device as a whole with or from the upper rail of a window-casing, and for accommodating a curtain-pole of any length.

It will be apparent that changes in the form, proportion, and minor details of construction may be resorted to without departing from

the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. The herein-described device, comprising a bar formed with a recess, a pair of fingers secured to said bar and overlying said recess, a spring located in the recess and arranged within the plane of the bar and also confined within said fingers, a plate located centrally in the recess and having a headed pin or stud, and a slotted clamping-finger mounted slidably upon said pin or stud and having its upper end in engagement with the spring and recurved at its lower end to form an eye, and also having its lower terminal deflected rearwardly and pointed to engage the window-casing, substantially as and for the purpose described.

2. The herein-described device comprising a bar formed with a segmental recess or depression, a pair of rigid fingers secured thereto and partially covering the opposite end portions of said groove or depression, an arched or curved spring arranged within said recess or depression and conforming substantially thereto and having its opposite ends engaged beneath and adapted to slide behind said fingers, a plate located centrally within said recess or depression and carrying a headed pin or stud, and a slotted adjustable clamping-finger mounted slidably upon said pin or stud and formed at its upper end to engage said spring and folded at its lower end to form an eye or loop and also having its lower terminal deflected rearwardly and formed to engage with the window-casing, substantially as and for the purpose described.

3. The herein-described window-shade roller and curtain-pole support comprising a horizontal bar, stationary and adjustable fingers for engaging said bar with the window-casing, and a longitudinally-adjustable curtain-pole bracket made from a single sheet-metal blank, consisting of an elongated strip of metal bent at its central portion to form a loop which embraces said bar, one terminal of said blank being extended vertically and then horizontally and then formed with a semicircular or U-shaped extension for the reception of the pole, and the other terminal of said blank being inclined upward from the upper edge of the bar and united to the other terminal, substantially in the manner and for the purpose specified.

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:

C. L. DANIELS,  
GEORGE A. ROHN.