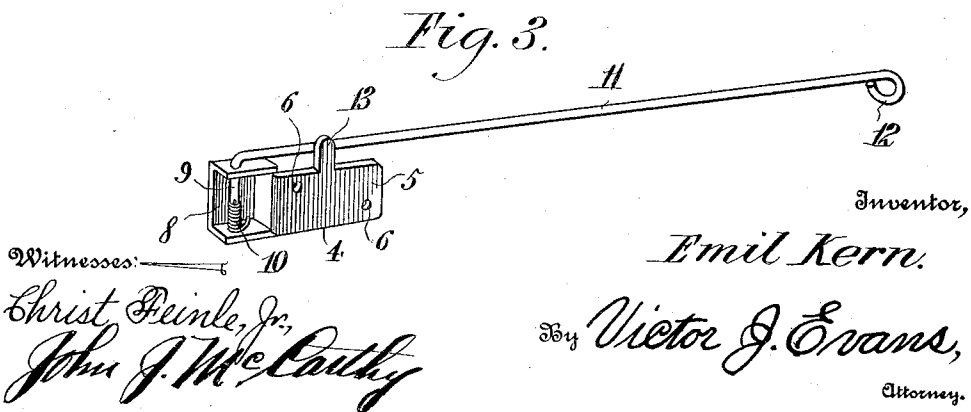
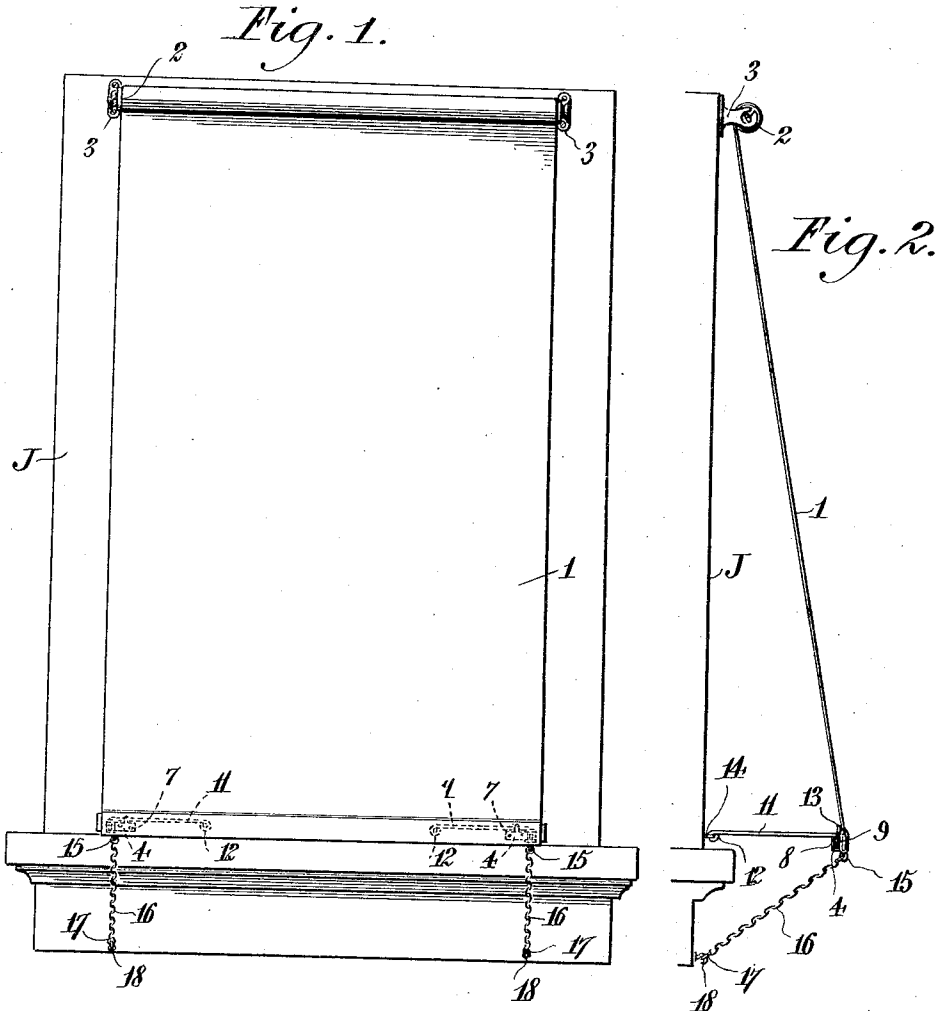


E. KERN.
WINDOW SHADE ATTACHMENT.
APPLICATION FILED DEC. 27, 1913.

1,114,485.

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UNITED STATES PATENT OFFICE.

EMIL KERN, OF IRVINGTON, NEW JERSEY.

WINDOW-SHADE ATTACHMENT.

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Specification of Letters Patent.

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Application filed December 27, 1913. Serial No. 809,035.

To all whom it may concern:

Be it known that I, EMIL KERN, a citizen of the United States, residing at Irvington, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Window-Shade Attachments, of which the following is a specification.

This invention relates to improvements in window shade attachments and has particular application to means whereby the lower edge of the window shade may be held away from the window jamb to facilitate ventilation.

In carrying out the present invention, it is my purpose to provide an attachment for window shades whereby when a shade has been drawn down the lower edge thereof may be held spaced apart from the window jamb and the shade prevented from swinging back and forth thereby enabling the windows to be opened to promote ventilation.

It is also my purpose to provide a device of the class described which will embrace the desired features of simplicity, efficiency and durability which may be readily and quickly applied to the shade and which when not in use will be carried by the shade in an out of the way position.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts hereinafter set forth in and falling within the scope of the claims.

In the drawing: Figure 1 is a view in elevation of a window shade equipped with a device constructed in accordance with the present invention. Fig. 2 is a view in side elevation of a window jamb and shade equipped with the present invention. Fig. 3 is a perspective view of one of the devices removed from the curtain.

Referring now to the accompanying drawing in detail, 1 indicates an appropriate form of window shade carried by the usual spring roller 2 carried by brackets 3, 3 at the upper end of the window jamb J.

Fastened to the lower edge of the shade 1 adjacent to the opposite ends thereof are brackets 4, 4 each comprising a securing plate 5 of substantially rectangular contour and formed with apertures 6 designed to receive screws 7 whereby the plate may be secured to the curtain. Formed integral with the outer end of the plate 5 is a small

rectangular casing 8 and journaled in the top and bottom walls of the casing is a vertical pin 9 capable of rotary movement. Surrounding the pin 9 is a spring 10 having one end thereof secured to the pin 9 and the opposite end bearing against the casing 8. Connected with the upper end of the pin 9 and arranged at right angles thereto is a horizontal arm 11 having the outer end thereof formed with an eye 12. Upstanding from the upper edge of the securing plate 5 is a stop lug 13 disposed in the path of movement of the arm 11. Normally, the springs 10 act upon the pins 9 to hold the arms 11 against the lower edge of the curtain as illustrated by the dotted lines in Fig. 1, the lug 13 limiting the movement of the arms under the action of the springs 10. Secured to opposite sides of the jamb J of the window at an appropriate point are hooks 14, while depending from the lower edge of the curtain adjacent to the brackets 4, 4 are rings 15 carrying chains 16, the lower ends of the latter being equipped with rings 17 adapted to engage hooks 18 carried by the jamb J below the hooks 14.

When it is desired to hold the lower edge of the shade away from the jamb and secure the curtain against swinging movement, the arms 11 are swung outwardly of the curtain at right angles thereto against the action of the springs 10 and the eyes 12 engage with the hooks 14. The rings 17 on the lower ends of the chains 16 are now engaged with the hooks 18, the chains cooperating with the arms to maintain the curtain in proper position, as illustrated in Fig. 2.

From the foregoing description taken in connection with the accompanying drawing, the construction and manner of employing my invention will be readily apparent. It will be seen that I have provided an attachment for window shades whereby the latter may be maintained at an angle to the window jamb and spaced apart therefrom in such manner as to promote ventilation, while the shades are held against swinging movement under the action of the air.

I claim:

1. The combination with a window shade, of brackets secured to the lower edge of the shade adjacent to the ends thereof, a horizontal arm journaled in each bracket and capable of swinging movement, means holding said arms normally against the curtain,

and means carried by the window jamb and adapted to be engaged by said arms and hold the same at right angles to the curtain whereby the latter will be held away from the window.

2. The combination with a window shade, of brackets secured to the lower edge of the shade adjacent to the ends thereof, a horizontal arm journaled in each bracket and capable of swinging movement, means holding said arms normally against the curtain, means carried by the window jamb and adapted to be engaged by said arms and hold the same at right angles to the curtain whereby the latter will be held away from the window, and means carried by said curtain and cooperating with said arms.

3. The combination with a window shade, of brackets secured to the lower edge of the shade adjacent to the ends thereof, a horizontal arm journaled in each bracket and capable of swinging movement, means holding said arms normally against the curtain, means carried by the window jamb and adapted to be engaged by said arms and hold the same at right angles to the curtain whereby the latter will be held away from the window, and chains depending from the lower edge of said curtain, and hooks carried by the window jamb and adapted to be engaged by the free ends of said chains to hold the curtain against swinging movement.

4. The combination with a window shade, of brackets secured to the lower edge of the shade adjacent to the ends thereof and each comprising a securing plate, a casing carried by said plate, a vertical pin journaled in said casing, arms secured to the upper end of said pin, a spring encircling said pin and acting to hold said arms normally against the curtain, hooks carried by the adjacent portions of the window jamb and adapted to be engaged by the outer ends of said arms to hold the latter at right angles to the curtain whereby the curtain will be held away from the window.

5. The combination with a window shade, of brackets secured to the lower edge of the shade adjacent to the ends thereof and each comprising a securing plate, a casing carried by said plate, a vertical pin journaled in said casing, arms secured to the upper end of said pin, a spring encircling said pin and acting to hold said arms normally against the curtain, hooks carried by the adjacent portions of the window jamb and adapted to be engaged by the outer ends of said arms to hold the latter at right angles to the curtain whereby the curtain will be held away from the window, and lugs extending upwardly from each plate in the path of movement of said arms and serving to limit the movement of the arms under the action of the springs.

6. The combination with a window shade, of brackets secured to the lower edge of the shade adjacent to the ends thereof and each comprising a securing plate, a casing carried by said plate, a vertical pin journaled in said casing, arms secured to the upper end of said pin, a spring encircling said pin and acting to hold said arms normally against the curtain, hooks carried by the adjacent portions of the window jamb and adapted to be engaged by the outer ends of said arms to hold the latter at right angles to the curtain whereby the curtain will be held away from the window, lugs extending upwardly from each plate in the path of movement of said arms and serving to limit the movement of the arms under the action of the springs, chains depending from the lower edge of said curtain, and hooks carried by the window jamb and adapted to be engaged by said chains to hold the curtain against swinging movement.

In testimony whereof I affix my signature in presence of two witnesses.

EMIL KERN.

Witnesses:

ALOIS KERN,
VICTOR KERN.