



# UNITED STATES PATENT OFFICE.

ARTHUR W. ELLIS, OF SUMPTER, OREGON.

## ADJUSTABLE WINDOW-SHADE CARRIER.

SPECIFICATION forming part of Letters Patent No. 708,629, dated September 9, 1902.

Application filed February 13, 1901. Serial No. 47,177. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR W. ELLIS, a citizen of the United States, residing at Sumpter, in the county of Baker and State of Oregon, have invented a new and useful Adjustable Window-Shade Carrier, of which the following is a specification.

My invention relates to an improvement in window-shades, and more particularly to hangers for the same, the object of the invention being to provide simple and efficient means for supporting a shade at any desired height on a window-casing and to so construct said means that ready access may be had to the shade-roller and its fixtures without the necessity of climbing to the top of a window frame or casing.

A further object is to produce a light and ornamental shade-hanger which can be readily adjusted to fit a window frame or casing of any size and which can be easily and quickly secured to or removed from the window frame or casing.

A further object is to provide an adjustable shade-hanger, which shall be simple in construction, cheap to manufacture, easy of application to a window-frame, and which shall be effectual in all respects in the performance of its functions.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is an elevation of a window frame or casing, showing the application of my improvements thereto. Fig. 2 is a sectional view on the line *x x* of Fig. 1.

A represents a window frame or casing, to the inner face of each upright of which guides or trackways 1 are secured, each guide or trackway consisting, preferably, of metal, bent or otherwise formed V-shaped in cross-section and provided with a flange 2 at its base for the accommodation of suitable fastening devices 3 for securing it to the window-casing, as shown in Fig. 2. Each trackway 1 is also provided with a number of notches 4 for a purpose which will be hereinafter explained. A frame for supporting the shade is disposed in the window-frame between the guides or

trackways 1, the upper corner brackets or braces 5 of said frame being provided with laterally-projecting arms 6, to which the fixtures 7 for the shade-roller 8 are attached. The inwardly-projecting arms 9 and the downwardly-projecting arms 10 have the rods 11 secured thereto. The rods 11 depend below the arms 10 of the corner-brackets, and they also project beyond the horizontal arms 9. The horizontally-disposed ends of the rods 11 project into the respective ends of a tubular bar 12, where they are secured at any desired adjustment by means of set-screws 13. The depending ends of the rods 11 project into the upper ends of tubular bars 14, where they are held at any desired adjustment by means of set-screws 15. Rods 16 project into the lower ends of the tubular bars 14, and are held therein at any desired adjustment by means of set-screws 17. The lower ends of the rods 16 are provided with integral horizontal rods 18, and a short distance above the juncture of the rods 16 and 18 the former are provided with outwardly-projecting lugs 19 to engage the one of the notches 4 in each guide or trackway 1, and thus support the frame at any desired elevation. When it is desired to adjust the frame as a whole vertically, the lugs 19 will be moved out of engagement with the notches of the trackway, and the frame will then be moved up or down, being guided in such movement by bifurcated lugs 20, secured to the rod and brackets 5, and adapted to slide on said trackway, as shown in Fig. 2. The inner ends of the lower horizontal rods 18 project, respectively, into tubular bars 21 22 and are secured therein by means of set-screws 23. The inner end of the bar 21 is contracted, as at 24, and projects loosely into the tubular bar 22. A spring 25 is disposed in the bar 22 and bears at its respective ends against the end of the contracted portion 24 of bar 21 and a seat in the tube 22, said spring serving to normally retain the lugs 19 in engagement with notches 4 of the guides or trackways 1. The bars 21 and 22 are provided with handles 26, by means of which the frame can be contracted to disengage the lugs 19 from the trackway and to enable the operator to readily move the frame up or down within the window frame or casing. It will be readily seen that my improved



frame or hanger is susceptible of wide adjustments in height and width to accommodate it to windows of various sizes, that it can be so contracted in height as to adapt it  
 5 for supporting a shade only in the lower half of a window, and that the frame can be easily lowered to bring the shade-fixtures within easy reach, and thus avoid the necessity of climbing to the top of the window-  
 10 frame for the purpose of placing a shade in position, for removing a shade, or for repairing and replacing the shade or its fixtures.

Slight changes might be made in the details of construction of my invention without departing from the spirit thereof or limiting its  
 15 scope, and hence I do not wish to limit myself to the precise details herein set forth.

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

1. In a shade-holder, the combination of a frame comprising vertical extensible members, a lower horizontal extensible member and an upper horizontal extensible member,  
 25 corner-brackets at the juncture of the vertical and upper horizontal member, and bearing-brackets for a shade-roller on said corner-brackets.

2. In a shade-holder, the combination of  
 30 vertical extensible members, and upper horizontal extensible member, corner-brackets at the juncture of said members, bearing-brackets on the corner-brackets, a lower extensible member between the vertical mem-

bers, and a spring carried by the lower extensible member for pressing the vertical members outwardly. 35

3. In a shade-holder, the combination of a frame comprising vertical and horizontal extensible members, a spring for pressing the  
 40 vertical members laterally, shade-brackets carried by the frame, and devices to be secured to a window-frame to receive and guide said laterally-pressed vertical members.

4. In a shade-holder, the combination of a  
 45 frame having vertical and upper and lower horizontal portions, guiding devices to be secured to a window-casing, lugs on the vertical portions to engage the guiding devices on the window-casing and sustain the frame, the  
 50 lower portion of the frame comprising two sections, a spring between said sections to retain the lugs in engagement with the window-casing, and means on the frame for supporting a roller. 55

5. In a shade-holder, the combination with upper corner-brackets, a horizontal bar, vertical bars, means for adjustably connecting said bars to the corner-brackets, means for connecting the lower ends of the vertical bars,  
 60 means for supporting a roller on the frame thus formed and means for adjustably attaching the frame to a window-casing.

ARTHUR W. ELLIS.

Witnesses:

NATHAN C. RICHARDS,  
 EDWARD T. FREEMAN.