No. 695,525. Patented Mar. 18, 1902.

F. WUEST.

WINDOW SHADE OR CURTAIN HANGER.

(Application filed Jan. 6, 1902.)

(No Model.)

Fig. 1.

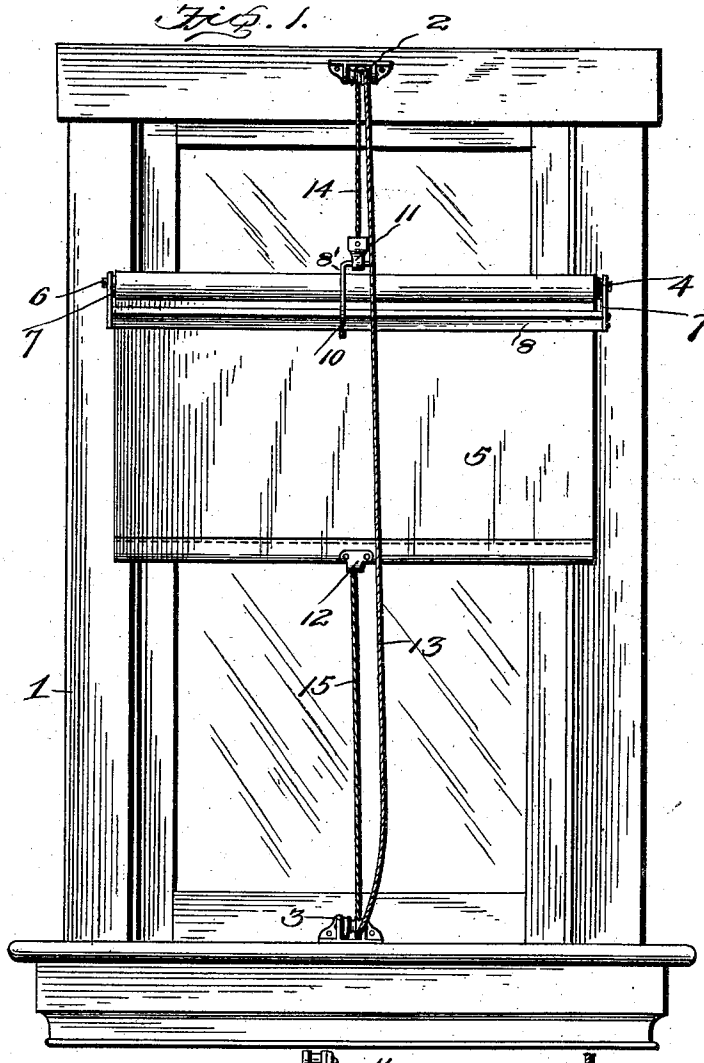


Fig. 2.

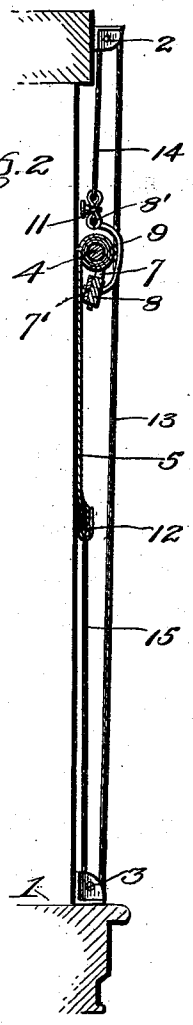


Fig. 3.

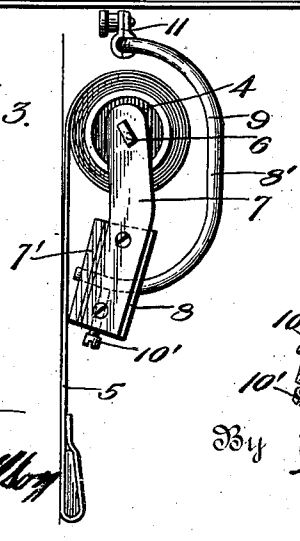
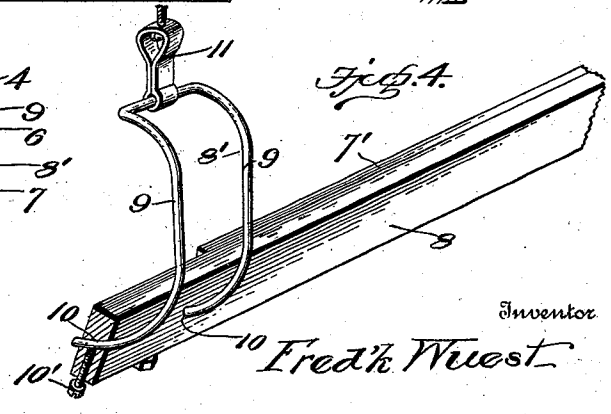


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

FREDERICK WUEST, OF LAWRENCEBURG, INDIANA.

WINDOW SHADE OR CURTAIN HANGER.

SPECIFICATION forming part of Letters Patent No. 695,525, dated March 18, 1902.

Application filed January 6, 1902. Serial No. 88,676. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK WUEST, a citizen of the United States, residing at Lawrenceburg, in the county of Dearborn and State of Indiana, have invented certain new and useful Improvements in Window Shade or Curtain 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 window curtains or shades and means for adjusting the same.

The object of the invention is to provide adjustable curtain or shade fixtures which are simple of construction, durable and efficient in use, and comparatively inexpensive of production and by means of which the curtain or shade may be adjusted to cover any point of the sash-opening in the window-frame and which are also adapted to hold the shade snugly against the face of the frame.

With this and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in certain novel features of construction and combination and arrangement of parts, which will be hereinafter fully described, defined in the appended claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation showing the application of the invention to a window shade and frame. Fig. 2 is a central vertical section of the same. Fig. 3 is a detail end elevation illustrating the manner in which the bar holds the shade against the face of the frame. Fig. 4 is a perspective view of the bracket, a portion of the bar being broken away to show the adjustable connection of the bracket.

Referring now more particularly to the drawings, the numeral 1 represents the window-frame, provided at top and bottom with spirally-grooved locking-pulleys 2 and 3, and 4 represents the shade-roller, to which is connected the shade or curtain 5. The shade or curtain roller is provided with a spring-actuated shaft or spindle 6, which is mounted in the usual manner in hangers 7, carried by the hanger-supporting bar 8, which is located below said roller, said hangers being inwardly bent or curved below the roller to support the bar at an angle and to adapt it to bear against the shade or curtain to hold it or press it in close contact with the face of the frame. In order to prevent the bar from being projected outwardly and upwardly by the action of the shaft-spring of the shade-roller, the said bar is made of such weight as to counteract the action of the spring, or has attached thereto a weight 7', by which the bar is prevented from being thrown outwardly under the pressure of said spring and is maintained in a plane beyond the central line of the hangers or axis of the roller, so as to normally bear with its free edge against the face of the frame or press said shade against said frame.

The hanger-bar is supported by a bracket 8', having two curved arms 9, whose lower free ends project through openings 10 in said bar, on opposite sides of the center thereof, and are adjustably connected therewith by means of set-screws 10', whereby the bar may be adjusted to bear with greater or less force against the face of the frame to suit different conditions in the mounting of the upper suspending pulley 2. The upper end of the bracket has attached thereto a clip 11 and the lower end of the shade has attached thereto a clip or holder 12, and to these clips are connected the opposite ends of a controlling-cord 13, which passes over said pulleys 2 and 3 and is employed to control the adjustment of the shade roller and shade. When the upper end 14 of the cord is drawn upon, it will be readily seen that the curtain hanger, shade, and bracket will be drawn upwardly and that by a proper manipulation the said end 14 of the cord may be clamped by the spiral pulley 2, thus holding the shade-roller suspended at the desired elevation and leaving the lower end of the shade free to be lowered by the end 15 of the cord and locked by the engagement of said end 15 of the cord with the locking-pulley 3. By releasing the end 15 of the cord the shade will be drawn upwardly under the action of the spring-roller and by releasing the end 14 of the cord the roller may be raised or lowered to any desired extent, thus adapting the shade or curtain to be rolled from the bottom upward to cover any portion of the sash-opening in the frame, thus admitting more or less light, as desired. By the action of the hanger-bar in

pressing the curtain against the face of the frame the curtain is prevented from swinging or being blown inward and is maintained in such position as to prevent, when desired, light from creeping between the curtain and the sides of the frame, as will be readily understood.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, operation, and advantages of my improved window curtain or shade will be readily apparent without requiring an 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 the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. The combination with the window-frame; of lock-pulleys at the top and bottom of the frame, a bracket, a bar connected to the bracket and carrying hangers, a spring-actuated shade-roller mounted in said hangers, the bar being weighted to counteract the spring and the hangers inbent to cause said bar to hold the curtain pressed snugly against the face of the frame, and a cord passing around said pulleys and connected at its ends to the bracket and to the shade, substantially as described.

2. The combination with the window-frame; of lock-pulleys at the top and bottom of the frame, a bracket having a pair of downwardly-extending arms, hangers, a spring-actuated shade-roller mounted in said hangers, a bar carrying the hangers and connected to the bracket-arms and weighted to counteract the shade-spring and to press the curtain against the face of the window-frame, means for independently adjusting the bar upon the bracket-arms, and a cord passing around said pulleys and connected at its ends to the bracket and to the shade, substantially as set forth.

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

FREDERICK WUEST.

Witnesses:
GEORGE FEDESLE,
CHAS. OHARA.