

No. 770,191.

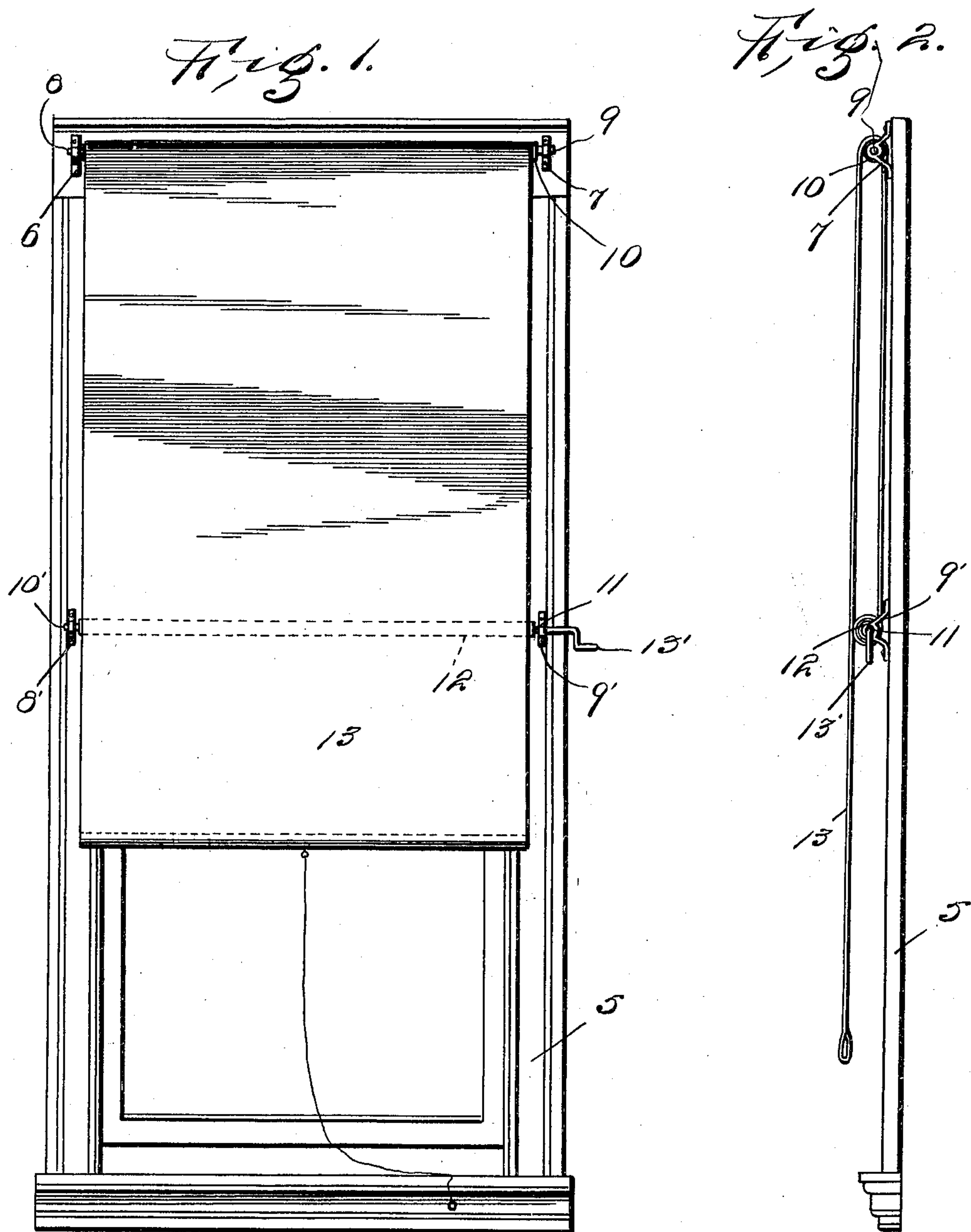
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A. T. SMITH & B. C. WILSON.

WINDOW SHADE.

APPLICATION FILED DEC. 21, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

ANDREW THOMAS SMITH AND BURRELL CLEFFORD WILSON, OF
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WINDOW-SHADE.

SPECIFICATION forming part of Letters Patent No. 770,191, dated September 13, 1904.

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To all whom it may concern:

Be it known that we, ANDREW THOMAS SMITH and BURRELL CLEFFORD WILSON, citizens of the United States, residing at Clarkson, in the county of Grayson, State of Kentucky, have invented certain new and useful Improvements in Window-Shades; and we do hereby 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-shades, and more particularly to the fixtures therefor, the object of the invention being to provide a shade which may be employed with the ordinary window, which may be adjusted to cover or shade different portions of the window, which may be readily raised and lowered, and which will obviate the necessity of the ordinary spring-roller, a further object being to provide a construction in which the upper sash of the window will be covered at all times.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevation showing a window provided with a shade embodying the present invention. Fig. 2 is an elevation showing the ends of the rollers and the edge of the curtain or shade.

Referring now to the drawings, there is shown a window frame or casing 5 of ordinary form and at the head of which are mounted the brackets 6 and 7, in which turn the trunnions 8 and 9 of a roller 10, this roller being merely a guide-roller. Secured to the sides of the facing of the window-frame are the brackets 8' and 9', which receive rotatably the trunnions 10' and 11 of a second roller 12, these last-named brackets being located at any suitable point or height below the roller 10. A window shade or curtain 13 is secured at one end to the roller 12, from which it is passed upwardly behind the upper roller 10 and then forwardly over said rollers and then downwardly. The lower roller 12 is illustrated as provided with a crank 13', secured

to the trunnion at one end thereof for rotating the roller to wind the curtain or shade thereon, it being understood, however, that any other suitable means may be employed for rotating the lower roller. With this arrangement when it is desired to shade the entire window the free end of the shade or curtain is drawn downwardly, the curtain at such times unwinding from the lower roller, and when it is desired to raise the free end of the shade or curtain the lower roller is rotated to wind the shade or curtain thereon, at which time the free end of the shade or curtain is moved upwardly, as will be understood.

It will be seen that with the present construction and arrangement the ordinary spring-roller is dispensed with and that the upper sash of the window is shaded at all times, so that there is no possibility of the shade being accidentally raised to the top of the window and admitting a glaring light. It will also be apparent that when the curtain is drawn down the upper sash is covered by two thickness of shade, thus more effectually excluding the light from the upper portion of the room.

In practice modifications of the specific construction shown may be made, and any suitable materials and proportions may be used for the various parts without departing from the spirit of the invention.

What is claimed is—

1. The combination with a window-frame, of a roller mounted transversely thereof between its upper and lower ends, a guide-roller disposed transversely of the upper end of the frame, a shade attached to the lower roller and adapted to be wound thereon, said shade being passed upwardly behind and then forwardly over the upper rollers, and means for manually rotating the lower roller to wind the curtain thereon.

2. The combination with a window-frame having sashes mounted therein, of a roller mounted transversely thereof at the union of the sashes, a guide-roller disposed transversely of the upper end of the frame, a shade attached

to the lower roller and adapted to be wound
thereon, said shade being passed upwardly
behind and then forwardly over the upper
roller to bring it into position to be readily
5 accessible and adapted to depend from the
upper roller to a point below the lower roller,
and means connected to the lower roller for
operating the latter.

In testimony whereof we affix our signatures
in presence of two witnesses.

ANDREW THOMAS SMITH.
BURRELL CLEFFORD WILSON.

Witnesses:

D. S. GRINNELL,
ERLE HEAD.