

No. 661,168.

Patented Nov. 6, 1900.

P. J. DORAN.

ADJUSTABLE SHADE ROLLER SUPPORT.

(Application filed Feb. 20, 1900.)

(No Model.)

Fig. 1.

Fig. 2.

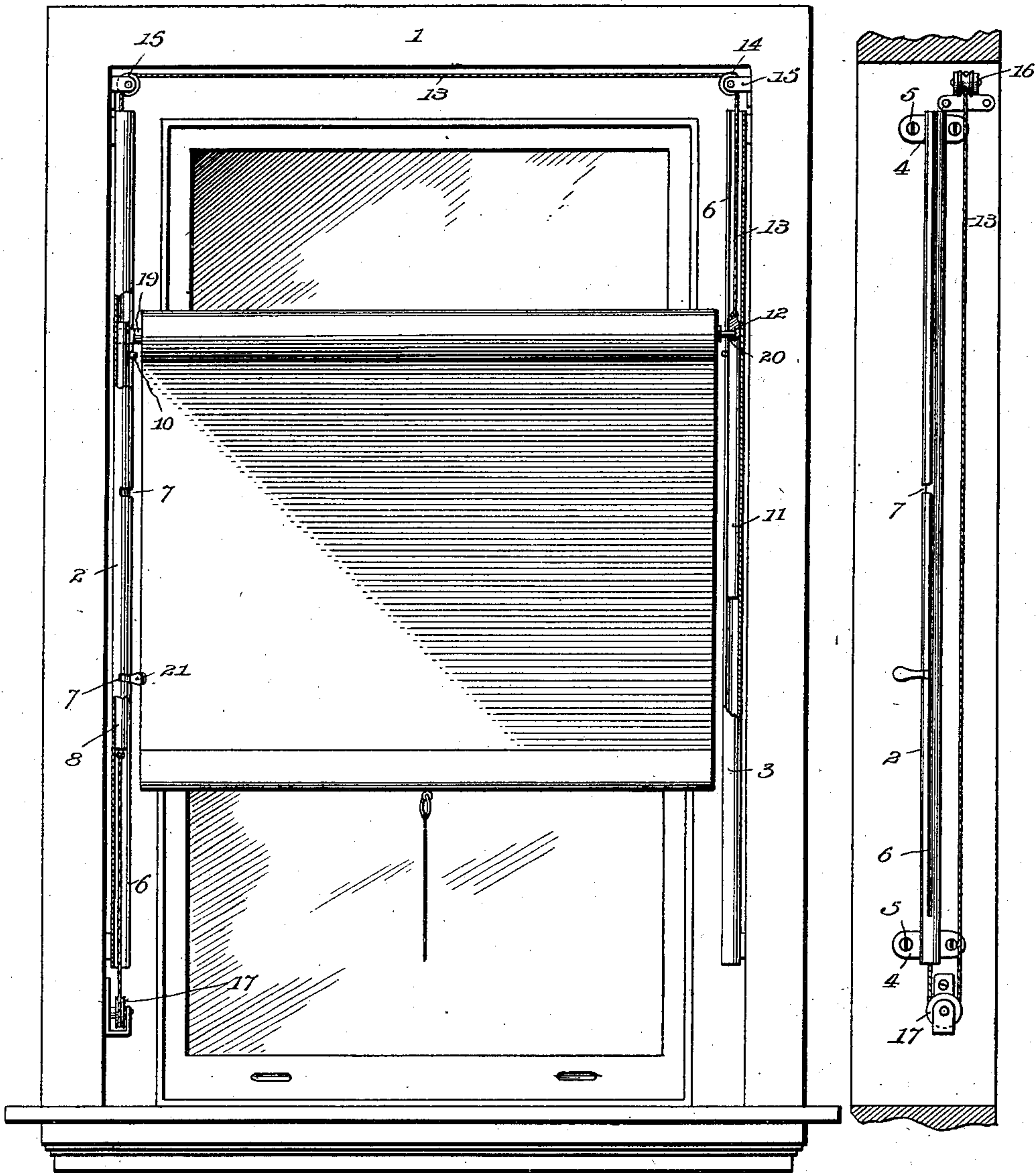
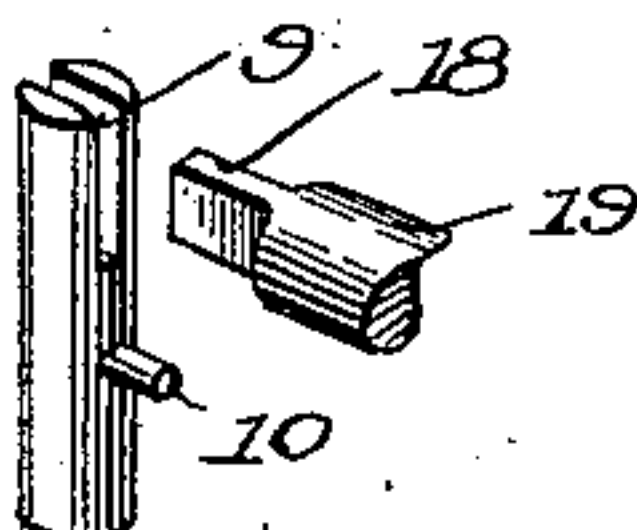


Fig. 4.

Fig. 5.



Witnesses:

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PERCY J. DORAN, OF CHICAGO, ILLINOIS.

ADJUSTABLE SHADE-ROLLER SUPPORT.

SPECIFICATION forming part of Letters Patent No. 661,168, dated November 6, 1900.

Application filed February 20, 1900. Serial No. 5,931. (No model.)

To all whom it may concern:

Be it known that I, PERCY J. DORAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Adjustable Shade-Roller Supports, of which the following is a specification.

My invention relates to window-shade supporting and adjusting mechanism, the object being to provide simple and effective means for permitting a window-shade to be lowered from the top of a window to admit air and light above the shade, and for securing the shade-roller at different adjustments.

The construction of the improvement will be fully described hereinafter and defined in the appended claims in connection with the accompanying drawings, which form a part of this specification.

In the drawings, Figure 1 is a front elevation of a window-frame with my improved supporting devices applied thereto and shown partly in section. Fig. 2 is a vertical section of the window-frame, showing one of the tubes in side elevation. Fig. 3 is a detail perspective view showing the means for supporting one end of the shade-roller. Fig. 4 is a detail sectional view showing the means for securing the finger-piece of the device in position.

The reference-numeral 1 designates the window-frame, to the opposite sides of which are secured tubes 2 and 3 by any suitable means. I show the tubes as provided with projecting perforated ears 4, adapted to receive securing-screws 5. These tubes are each formed with a longitudinal slot 6, extending throughout the length of the tube, or nearly so, and the tube 2 is also formed with a plurality of horizontal slots 7, communicating with its longitudinal slot 6. Within the tube 2 is arranged a vertically-movable rod 8, formed at its upper end with a vertical slot 9 and provided adjacent to the upper end with a pin or projection 10, adapted to travel in the slot 6 of the tube to guide the rod 8 in its movement. Within the tube 3 is arranged a weight 11, formed near its upper end with a socket 12 and suspended from the end of a cord or rope 13, which passes over a pulley 14, secured in a bracket 15 at the upper end of the window-frame and then extending

across the top of the frame and passing over a pulley 16. From the pulley 16 the cord passes down the side of the frame parallel to the tube 2, under a pulley 17, located below the tube 2, and thence up through the lower end of the tube 2 for attachment to the lower end of the rod 8. The flattened end lug 18 of the shade-roller 19 fits into the slot 9 at the upper end of the rod 8, and the round lug 20 at the opposite end of the roller fits the socket 12 of the weight 11. The rod 8 is provided with a projecting finger-piece 21, loosely supported on the rod and adapted to fit within the horizontal slots 7 of the tube 2 to support said rod and the shade-roller at different positions.

The utility and operation of the mechanism are as follows: To adjust the shade, it is only necessary to move the finger-piece 21 laterally to bring it in alinement with the slot 6 of the tube 2, after which the rod 8 may be moved up or down, as desired. The vertical movement of the rod 8 causes the weight 11 to move in unison therewith, so that both ends of the roller move together, the rope connection between the weight and rod 8 effecting the simultaneous movement of these parts.

It will be apparent that the shade, which is of the usual spring-actuated variety, may be readily rolled without regard to the adjusted position of the roller.

An important characteristic of my improvement is that it is applicable to any window-frame, no modification of the frame or shade-roller being necessary.

I claim--

1. Supporting and adjusting means for shade-rollers, comprising vertically-slotted tubes secured to opposite sides of the window-frame; one of said tubes being also slotted transversely; a rod arranged within one of said tubes, provided with a finger-piece, and slotted at its upper end; a weight within the other tube formed with a socket near its upper end; a cord connecting said rod and weight; and pulleys over which the cord passes.

2. Supporting and adjusting means for shade-rollers, comprising vertically-slotted tubes secured to opposite sides of the window-frame; one of said tubes being also slotted transversely; a rod arranged within one of

said tubes and slotted vertically at its upper
end; a finger-piece projecting from said rod;
a weight within the other tube formed with a
socket near its upper end; a cord connecting
5 the upper end of said weight with the lower
end of said rod; pulleys at opposite sides of
the top of the window-frame; and a pulley
secured to one side of the frame below the
lower end of the transversely-slotted tube,

said cord passing over the upper pulleys and 10
under the lower pulley.

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

PERCY J. DORAN.

Witnesses:

WILLIAM CARSTENS,
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