

No. 740,308.

PATENTED SEPT. 29, 1903.

G. A. OLCOTT.  
SHADE FIXTURE.

APPLICATION FILED JUNE 13, 1903.

NO MODEL.

Fig. 1.

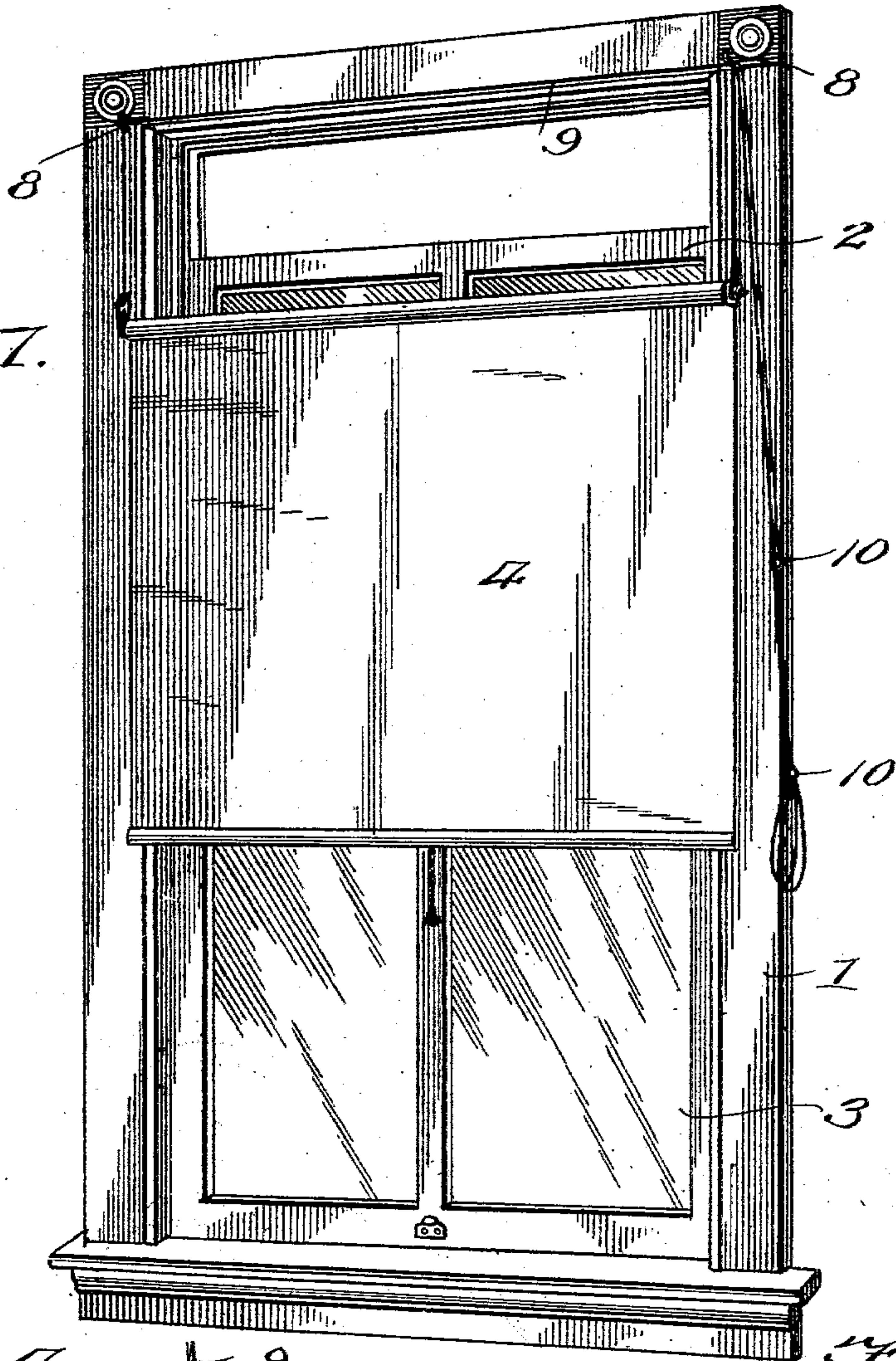


Fig. 4.

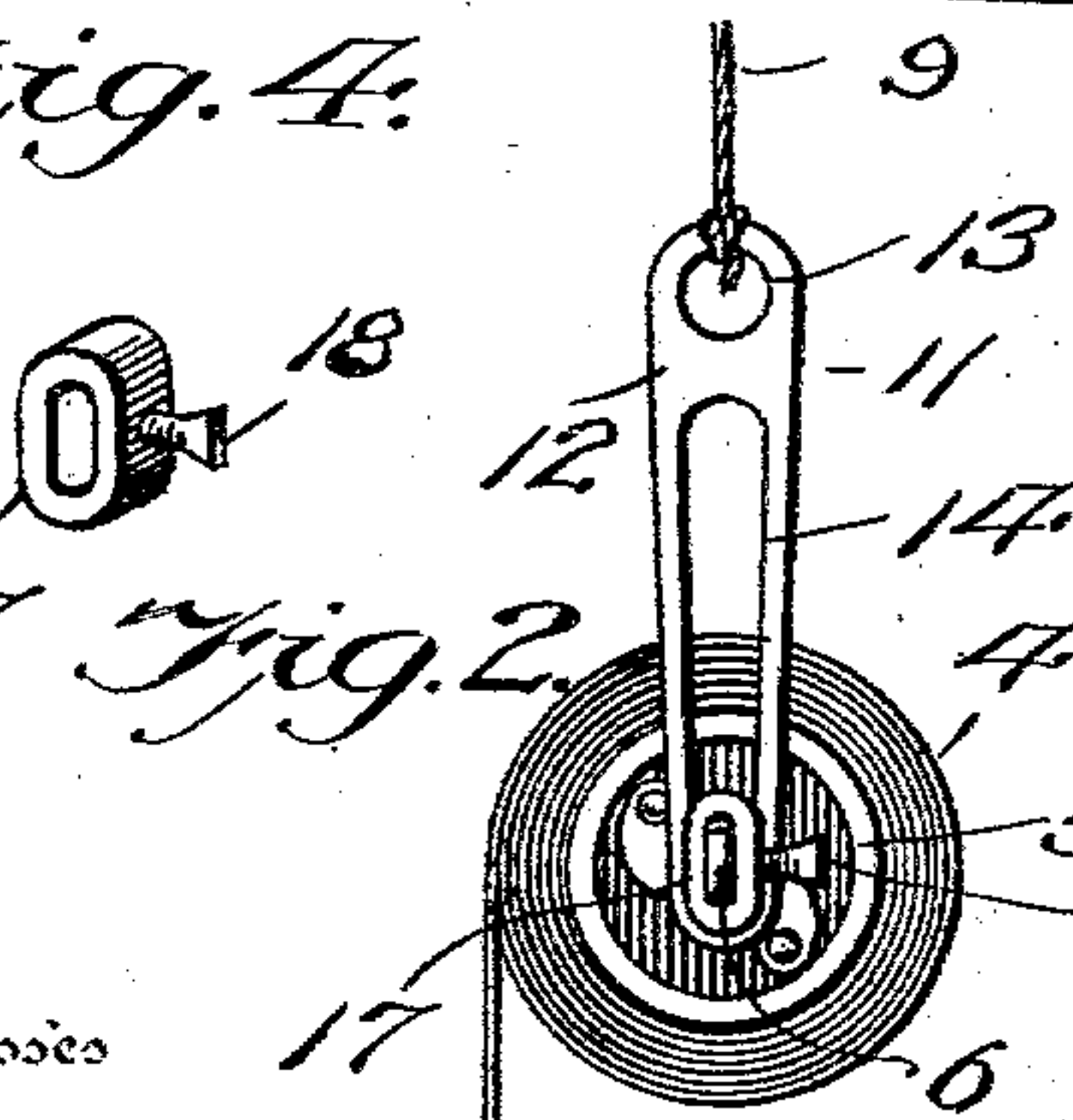


Fig. 2.

Witnesses

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Fig. 3.

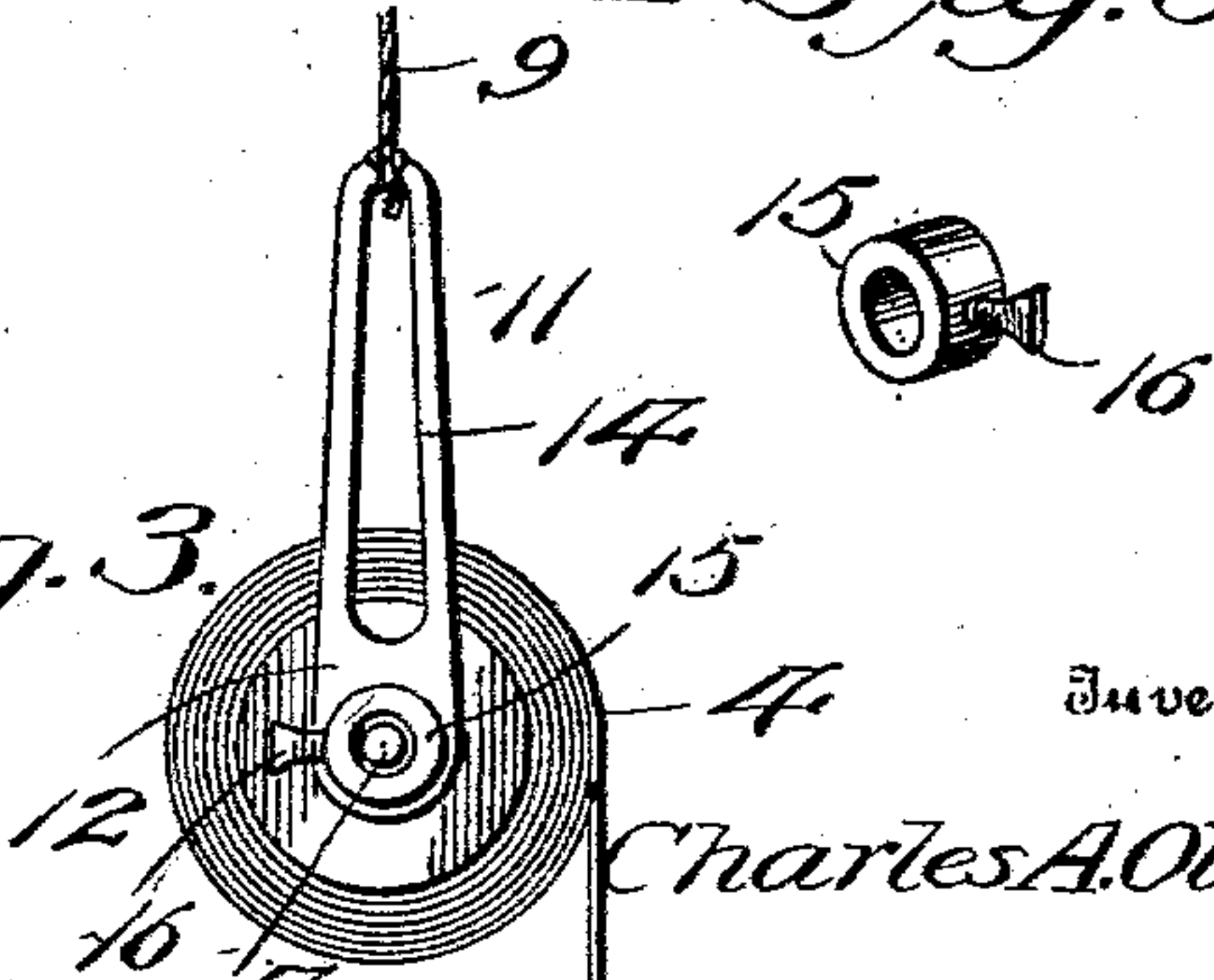


Fig. 5.

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# UNITED STATES PATENT OFFICE.

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## SHADE-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 740,308, dated September 29, 1903.

Application filed June 13, 1903. Serial No. 161,363. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES A. OLCOTT, a citizen of the United States, residing at Pensacola, in the county of Escambia and State of Florida, have invented new and useful Improvements in Shade-Fixtures, of which the following is a specification.

This invention relates to window-shade fixtures of the class in which the roller carrying the shade is adapted to be moved up and down with relation to the window casing and sash, so that light may be admitted over the top of the shade, while the latter closes or partially closes the lower portion of the window, and thereby also permits a room to be ventilated by lowering the upper sash of a window without liability of injury to the shade, which may be moved downwardly to such extent below the open sash as to be uninfluenced by the current of air.

One of the main structural advantages in the present form of fixture is a reversible bracket having a circular aperture or opening through one end and an elongated slot extending through the greater portion of the body thereof and gradually tapering toward the opposite end, whereby either bracket may have suspending means attached thereto, and the opposite end arranged to engage the trunnions of the shade-roller and accommodate the variation of the cross-sectional contour of such trunnions. This reversible bracket serves as a hanger, and its use will greatly expedite the assemblage of the several parts in view of the fact that it does not require a particular arrangement or application, and, furthermore, in the manufacture of this bracket a great saving in expense results.

In the drawings, Figure 1 is a perspective view of a window frame and sashes, one of the latter being shown open, and window-shade fixtures embodying the features of the invention. Fig. 2 is an end elevation of a shade-roller and shade, showing the improved bracket arranged to engage the spring-winding trunnion. Fig. 3 is a view similar to Fig. 2, showing a bracket arranged to engage the trunnion at the opposite end of the shade-roller. Fig. 4 is a detail perspective view of a collar adapted to be secured to the spring-winding trunnion of the shade-roller. Fig.

5 is a detail perspective view of a collar for application to the opposite trunnion of the shade-roller.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates a window-frame having upper and lower sash 2 and 3 therein. In applying the improved window-shade fixture guide-rails and other supporting devices are dispensed with, and the window-frame does not have to be recessed or otherwise marred to receive the improved devices. Furthermore, the improved fixture as an entirety is applied to an ordinary shade 4, having a spring-roller 5 with a flattened trunnion 6 at one end to control the winding of the spring, as well as serve as a support for one extremity of the shade, and a circular trunnion 7 at the opposite end.

In the upper part of the frame 1 L-shaped hooks 8 are secured by driving them into the said frame with one member of each disposed vertically, and thereover extends a pull-cord 9, one strand of the cord engaging one hook and both strands engaging the other hook and then drawn downwardly to one side of the window-frame, both strands being connected at an intermediate point, as at 10, to cause the pulling tension exerted thereon to be equally applied to both ends of the shade-roller, or, in other words, prevent the exertion of unequal drawing tension on the two strands. The terminals of the strands of the pull-cord are attached to brackets 11, which are duplicates in construction and consist of elongated thin metal strips 12, each of which has a circular opening 13 in one end and an elongated slot 14 extending throughout the greater portion of the length of the strip and gradually converging toward the end of the latter opposite that having the opening 13 therein. The opening 13 in the one bracket receives the trunnion 7, which is projected therethrough and has a circular collar 15, fastened thereon by a set-screw 16, the said collar being applied to the trunnion outside of the lower end of the bracket. The slot 14 receives the flattened or angular trunnion 6, controlling the spring at the opposite end of the roller 5, and after said trunnion is projected through the slot and seated in the re-



duced extremity thereof a flattened collar 17 is secured on the said trunnion 6 by a set-screw 18, the collar 17 also being located outside of the bracket. As set forth, the one  
 5 extremity of the pull-cord is secured in the opening 13 of the bracket, which engages the angular trunnion 6, and the opposite extremity of the cord is secured in the reduced part of the slot 14 in the bracket, which receives  
 10 the cylindrical or round trunnion 7. In putting up the improved fixtures it will be seen that a simple reversal of the bracket will adapt it for application to either end of the shade-roller, and in the manufacture of the  
 15 improved bracket economy will result in view of the fact that one die may be used in constructing all the devices.

After the parts have been assembled the shade and roller, as well as the brackets, may  
 20 be raised and lowered as desired by operating the pull-cord and disassociation of the brackets from the shade-roller will be obstructed by the collars 15 and 17, secured on the trunnions of the shade-roller. Another advantage in the use of the form of bracket herein  
 25 set forth is that when the spring of the curtain-roller becomes weak the trunnion controlling the winding operation of the spring can be raised in its bracket from the reduced  
 30 part of the slot to the larger part of the latter and rotated to wind the spring without requiring a detachment of the suspending-cord or disassociation of any of the parts of the improved fixtures. The improved fixtures  
 35 can be readily set up in operative position, and changes in the proportions and dimensions thereof may be resorted to without departing from the spirit of the invention.

Having thus fully described the invention,  
 40 what is claimed as new is—

1. In a shade-fixture, the combination with a shade and shade-roller, the latter having a cylindrical trunnion at one end and an angular trunnion at the opposite end, of a pull-cord for vertically adjusting and suspending  
 45 the shade and shade-roller, and reversible brackets to which the extremities of the pull-cord are attached, each bracket having a circular opening in one end and an elongated slot extending through a greater portion of  
 50 the body thereof and converging toward the opposite end of the bracket whereby the contour of the trunnions may be accommodated.

2. In a shade-fixture, the combination with a shade and roller, the latter having a cylindrical trunnion at one end and an angular trunnion at the opposite end, of reversible  
 55 shade-brackets, each of similar construction and having an opening in one end and an elongated slot extending through the greater  
 60 portion of the body thereof and tapering toward the opposite end to receive the respective trunnions, collars secured on, and corresponding in shape to, the trunnions and located outside of the bracket, and a pull device  
 65 having its terminals attached to the upper ends of the brackets.

3. A reversible bracket for a shade-fixture having an opening through one end and an elongated slot extending through the greater  
 70 portion of the body thereof and tapering toward the opposite end whereby either trunnion of a shade-roller may be received by the bracket.

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

CHARLES A. OLCOTT.

Witnesses:

J. B. BRITTAIN,

WALTER O'BANON.