



# UNITED STATES PATENT OFFICE.

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## WINDOW-SHADE FIXTURE.

SPECIFICATION forming part of Letters Patent No. 475,228, dated May 17, 1892.

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*To all whom it may concern:*

Be it known that I, WILLIAM W. WYTHER, of Orange, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Window-Shade Fixtures, of which the following is a full, clear, and exact description.

My invention relates to improvements in that variety of window-shade fixtures which are adapted to suspend a window-shade in front of a window so as to admit light at the top of the window or at any other desired part of it; and its object is to produce a simple and inexpensive fixture which may be easily adjusted to suit the width of any shade and which may be conveniently operated so as to hold the shade at any desired height.

To this end my invention consists in certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both views.

Figure 1 is a front elevation of a shade provided with my improved fixtures and suspended from a window-frame, and Fig. 2 is a sectional plan view on the line 2 2 in Fig. 1. The window-shade 10 is hung on an ordinary spring-roller 11, and any form of shade or roller may be used, and the roller is suspended in depending arms 12 of brackets 13, which brackets have horizontally-extending arms 14, which project above the roller 11 and which terminate at their inner ends in sleeves 15, through which the connecting-rod 17 extends, and which are provided with clamping-screws 16, by means of which the rod and brackets may be held in a fixed position in relation to each other. The outer surfaces of the arms 14 are preferably grooved, as best shown in Fig. 1, so that the connecting-rod 17 will fit nicely in them, and it will be seen that by adjusting the rod and brackets in relation to each other the brackets may be quickly adapted to hold any length of roller. One of the brackets 13 is suspended by a cord 18, which is secured at one end to an ear 19 on the bracket and which extends upward over

a grooved pulley 20 on one upper corner of the window-frame 20<sup>a</sup>, and then extends downward to a point where it may be conveniently reached. This pulley 20 is provided with a cam-clutch which is adapted to hold the cord when the latter is released; but the clutch is not shown in detail, as I do not claim the pulley as a part of my invention, it being a well known article of manufacture. The opposite bracket 13 is suspended by a cord 21, the upper end of which is secured to an eye or other support 21<sup>a</sup> in the frame 20<sup>a</sup>, and from the eye the cord extends downward beneath a grooved pulley 22 on the bracket 13, which is immediately beneath the eye, and thence across the window above the roller 11 and downward over a pulley 23, carried by the opposite bracket 13 to a fastening thumb-screw 24, which binds the cord between it and the frame. I do not limit myself to this use of a thumb-screw for fastening the cord, however, as it is obvious that any suitable fastening device may be used with the same effect. The cord 21 by being arranged as described enables the roller 11 and shade 10 to be quickly and nicely adjusted, so that it will hang in a perfectly-level position or at a desired inclination. This is effected by tightening or slackening the cord 21. The shade and its roller is raised and lowered by means of the cord 18, and ordinarily the cord 21 will not need to be used except to serve as a track on which the shade may be run.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a window-shade fixture, the combination of two adjustably-connected brackets adapted to hold a shade-roller, a guiding-cord extending over pulleys secured to the brackets, the cord being secured to the opposite sides of a window-frame at points above and below the brackets, and an adjustable suspending-cord secured to one of the brackets and to the window-frame, substantially as described.

2. In a window-shade fixture, the combination of the roller-supporting brackets adjustably connected together and having pulleys pivoted thereon, a guiding-cord extending

over one pulley and under the other, said cord having one end secured to the upper part of the window-frame on one side and the other end secured to the lower opposite side of the window-frame, the cord acting as a support for one of the brackets, and an adjustable suspending-cord secured to the opposite

bracket and running over a pulley on the window-frame, substantially as described.

WILLIAM W. WYTHE.

Witnesses:

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