(No Model.)

D. J. BLISS & E. J. RICHMOND.

ROLLER SHADE FIXTURE.

No. 598,409. Patented Feb. 1, 1898.

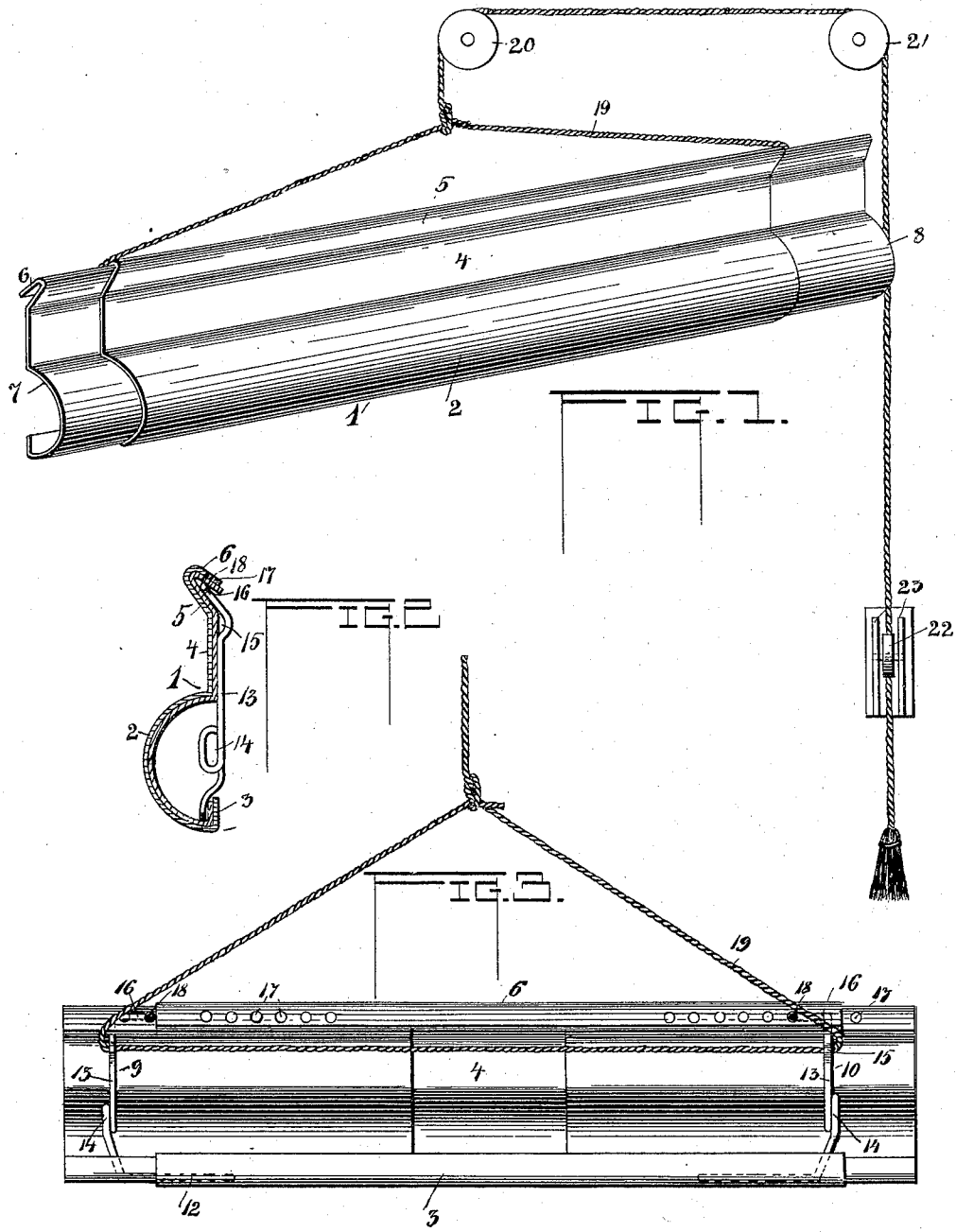


FIG. 1.

FIG. 2.

FIG. 3.

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DWIGHT J. BLISS AND EDWARD JAMES RICHMOND, OF CARTHAGE, MISSOURI.

ROLLER-SHADE FIXTURE.

SPECIFICATION forming part of Letters Patent No. 598,409, dated February 1, 1898.

Application filed April 24, 1897. Serial No. 633,821. (No model.)

To all whom it may concern:

Be it known that we, DWIGHT J. BLISS and EDWARD JAMES RICHMOND, citizens of the United States, residing at Carthage, in the county of Jasper and State of Missouri, have invented certain new and useful Improvements in Roller-Shade Fixtures; and we 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.

Our invention relates to improvements in roller-shade fixtures; and the object is to provide a simple, cheap, and convenient adjustable fixture of this class.

To this end the novelty consists in the construction, combination, and arrangement of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a perspective view of our improved shade-fixture. Fig. 2 is a rear view of the same with the shade-roller detached, and Fig. 3 is a cross-section of the same.

1 represents a sheet-metal molding formed with a longitudinal semicircular rib 2, the lower edge of which terminates in a parallel flange 3, while its opposite horizontal parallel edge extends upwardly to form the vertical shank 4, diverging outwardly at its upper edge to form a parallel bead 5. The upper edge of the bead 5 is then turned rearwardly and parallel with said diverging bead to form a parallel flange 6.

7 and 8 represent corresponding adjustable sections conforming exactly in size and shape to the molding 1 and adapted to slide snugly in the outer ends thereof, as shown, to increase or diminish the length of the fixture to fit rollers of different lengths.

9 10 represent adjustable spring-wire brackets, each one of which is formed with a horizontal arm 12 and shank 13, having an orifice 14, which forms a bearing for the shade-roller, and a retaining-recess 15 for securing the shade-cord in place.

The upper end of the shank 13 is turned inwardly to form the horizontal arm 16, the outer end of which is turned outwardly at a right angle to form the toe 18.

17 17 represent a series of orifices formed in the flange 6, which are engaged by the toe 18, and when the horizontal arm 12 is sprung in place under the flange 3 the bracket is securely fixed in place in the molding.

19 represents the flexible cord, the lower end of which is formed with a loop, as shown, and the said cord is securely held in place in the retaining-recesses 15 15 by a pressure of the bracket against the inner plane face of the molding. The single end of the cord then passes vertically upward over a central fixed grooved pulley 20 on the window-frame, thence extends horizontally over a second grooved pulley 21, fixed on the side of the frame, and its free end engages an eccentric pawl 22, pivoted in a bracket 23, which retains the cord in place and at the same time permits its release when properly manipulated to raise and lower the fixture at will.

Although we have specifically described the construction and relative arrangement of the several elements of our invention, we do not desire to be confined to the same, as such changes or modifications may be made as clearly fall within the scope of our invention without departing from the spirit thereof.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

An adjustable shade-fixture comprising the sheet-metal molding formed with the flanges 3, and 6, the latter provided with orifices 17, in combination with the spring-brackets 9 and 10, formed with the integral horizontal arms 12 12, the shank 13, provided with the bearing-orifices 14, and the retaining-recesses 15, and having their upper ends turned inwardly to form the arms 16 16, the outer ends of which terminate in the angular toes 18, adapted to detachably engage the orifices 17 in the flange 6, substantially as shown and described.

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

DWIGHT J. BLISS.

EDWARD JAMES RICHMOND.

Witnesses:

J. A. THROOP,

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