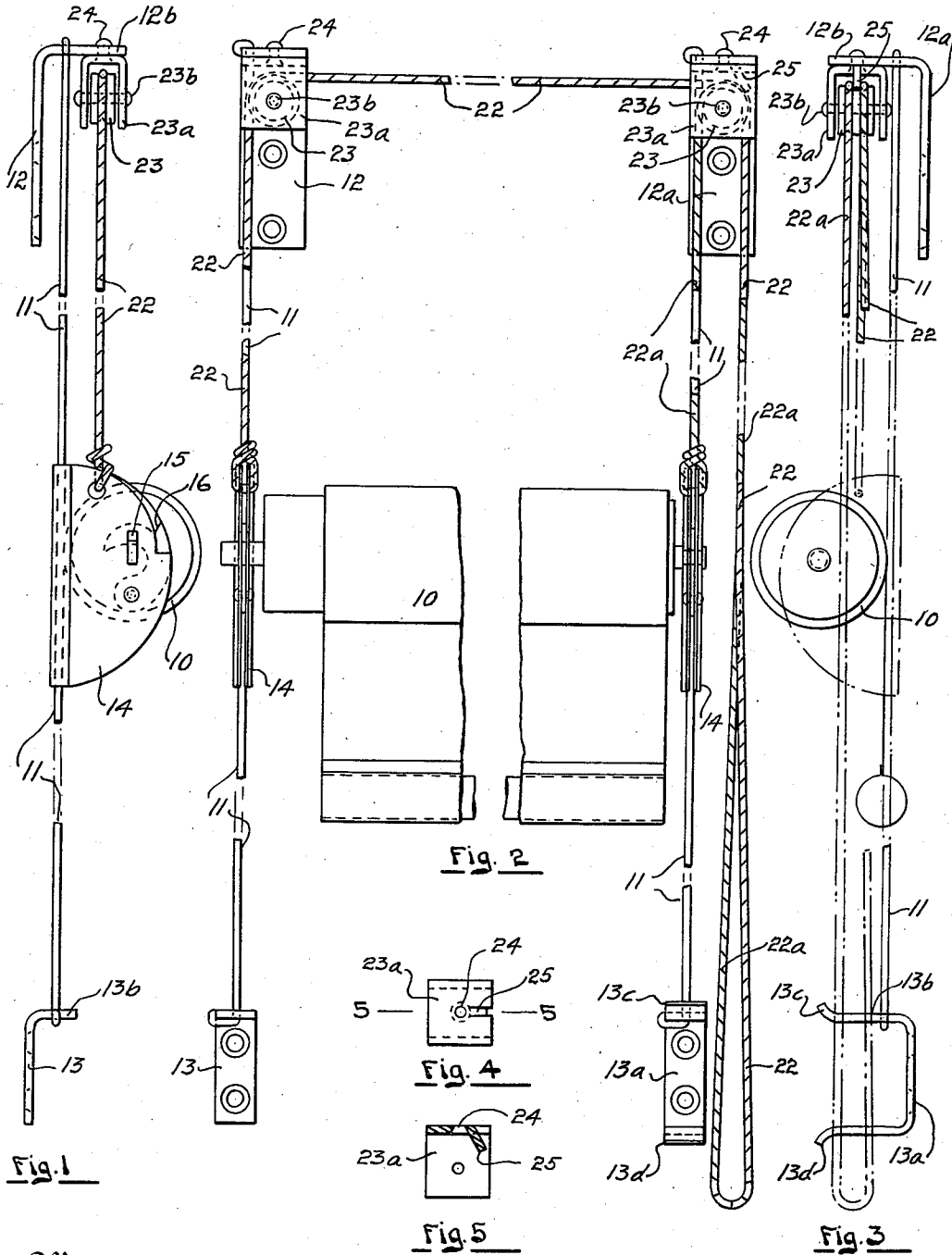


T. L. WALTER.
SHADE FIXTURE.
APPLICATION FILED SEPT. 28, 1911.

1,023,345.

Patented Apr. 16, 1912.



Witnesses:
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UNITED STATES PATENT OFFICE.

TORSTEN L. WALTER, OF ELMHURST, NEW YORK.

SHADE-FIXTURE.

1,023,345.

Specification of Letters Patent.

Patented Apr. 16, 1912.

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To all whom it may concern:

Be it known that I, TORSTEN L. WALTER, a citizen of Sweden, and a resident of Elmhurst, borough of Queens, in the county of Queens and State of New York, have invented certain new and useful Improvements in Shade-Fixtures, of which the following is a specification.

This invention relates to shade fixtures, and more particularly to fixtures which are adapted to suspend the shade roller, so that they will be self-aligning irrespective of the condition of the window molding to which they are attached.

The invention forming the subject matter of this specification has already been disclosed by me in an application for Letters Patent of the United States, filed on the 24th day of October 1910, of which the present application is a division.

In my former application I have claimed the novel construction of the slidable and clamping fixtures for the shade roller and cords therefor, whereas in this latter application I direct my claims to new means for supporting the shade roller.

The object of the invention is to provide several desirable features of improvement and to these ends the invention consists in the parts, arrangements, and combinations of parts hereinafter described, and claimed and illustrated in their preferred embodiments by means of the accompanying drawings, which are hereby made a part of this specification, and in which:

Figure 1 is a left hand side view of the invention, parts thereof being broken away. Fig. 2 is a front view of Fig. 1, parts thereof being broken away. Fig. 3 is a fragmentary right hand side view of Fig. 2. Fig. 4 is a plan view of a detail of the upper right hand portion of Fig. 2, and Fig. 5 is a longitudinal section on the line 5—5 of Fig. 4.

Referring to the drawings, the numeral 10 designates the shade roller and shade which may be of any suitable construction.

11 are vertical guides, preferably plain wires, which are supported by upper stationary brackets 12 and 12^a, and lower stationary brackets 13 and 13^a. These brackets are preferably formed of strap iron bent L-shaped and constituting overhanging portions 12^b and 13^b between which the wire guides 11 are stretched taut. The extreme

ends of the said wires 11 are bent over the edge of the brackets to anchor them firmly to the latter.

Shade brackets 14 are vertically slidable on the guides 11. In the said brackets 14 are formed registering openings 15 which constitute suitable bearings for the reception of the dissimilar end projections of the shade roller. Latches 16 carried by the brackets coöperate with the openings 15 to lock the shade roller projections therein. Raising and lowering cords 22 and 22^a are attached to the shade brackets 14. Said cords may be in one piece, as shown. They pass upwardly over sheaves 23, supported by the top brackets 12 and 12^a. The said sheaves 23 are rotatably carried on pins 23^b mounted in blocks 23^a which are pivoted, on a vertical axis, against the under side of the overhanging top portion 12^b of the said brackets 12 and 12^a as indicated at 24. Thus, the said sheaves 23 are swiveled in a horizontal plane by virtue of which they are self-adjusting into alinement irrespective of the angular relation of the surfaces that the said brackets 12 and 12^a are attached to. The said blocks 23^a are held from turning too freely on the pins 24 by the frictional contact between their top faces and the overhanging portions 12^b of the brackets 12 and 12^a. The cord 22 passes over both sheaves, whereas the cord 22^a passes only over the sheave which is carried by one of the blocks 23^a that is supported from the bracket 12^a. The top of the right hand block 23^a is slitted as shown in Figs. 4 and 5, and the metal between the slits is bent down to form a finger 25 which coöperates with the right hand sheave 23 to space the said cords 22 and 22^a apart.

Suitable means such as a hook or clamp may be provided for the attachment of the lower looped end of the cords 22 and 22^a. As shown, the lower right hand bracket 13^a is provided with spaced, laterally-projecting top and bottom portions 13^c and 13^d respectively, which can be utilized for winding the end of the cords around.

The operation of the invention has been set forth with the description of structure.

Having described my invention, what I desire to secure by Letters Patent and claim is:

1. In a shade fixture, the combination of vertically slidable brackets, vertical guides therefor, top and bottom anchorages for

said guides, raising and lowering cords attached to the brackets and thence extending upwardly, sheaves over which one of said cords passes and over one of which both cords pass, in the same direction and plane, and blocks for the sheaves held directly against the anchorages, said sheaves being pivoted in a horizontal plane.

2. In a shade fixture, the combination of vertically slidable brackets, guides therefor, operating cords for said brackets, blocks pivoted in a horizontal plane, sheaves over which one of said cords passes and over one of which both cords pass, carried by said blocks and a guide finger formed integral with the top portion of the block of the latter sheave and cooperating to hold the cords apart.

3. In a shade fixture, the combination of

vertically slidable brackets, guides therefor, anchorages for said guides having horizontally extending upper portions, sheaves over which said cords pass, both cords passing over one of said sheaves, blocks for the sheaves pivotally held in a horizontal plane against the extending portion of said anchorages, the top wall of the block for said latter sheave being slitted and the material thereof bent downward to form a spacing finger cooperating with the sheave to guide the cords apart.

Signed at the borough of Manhattan in the county of New York and State of New York this 7th day of September A. D. 1911.

TORSTEN L. WALTER.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."