

J. HABEIN.
SHADE ADJUSTER.
APPLICATION FILED APR. 26, 1909.

953,418.

Patented Mar. 29, 1910.

2 SHEETS—SHEET 1.

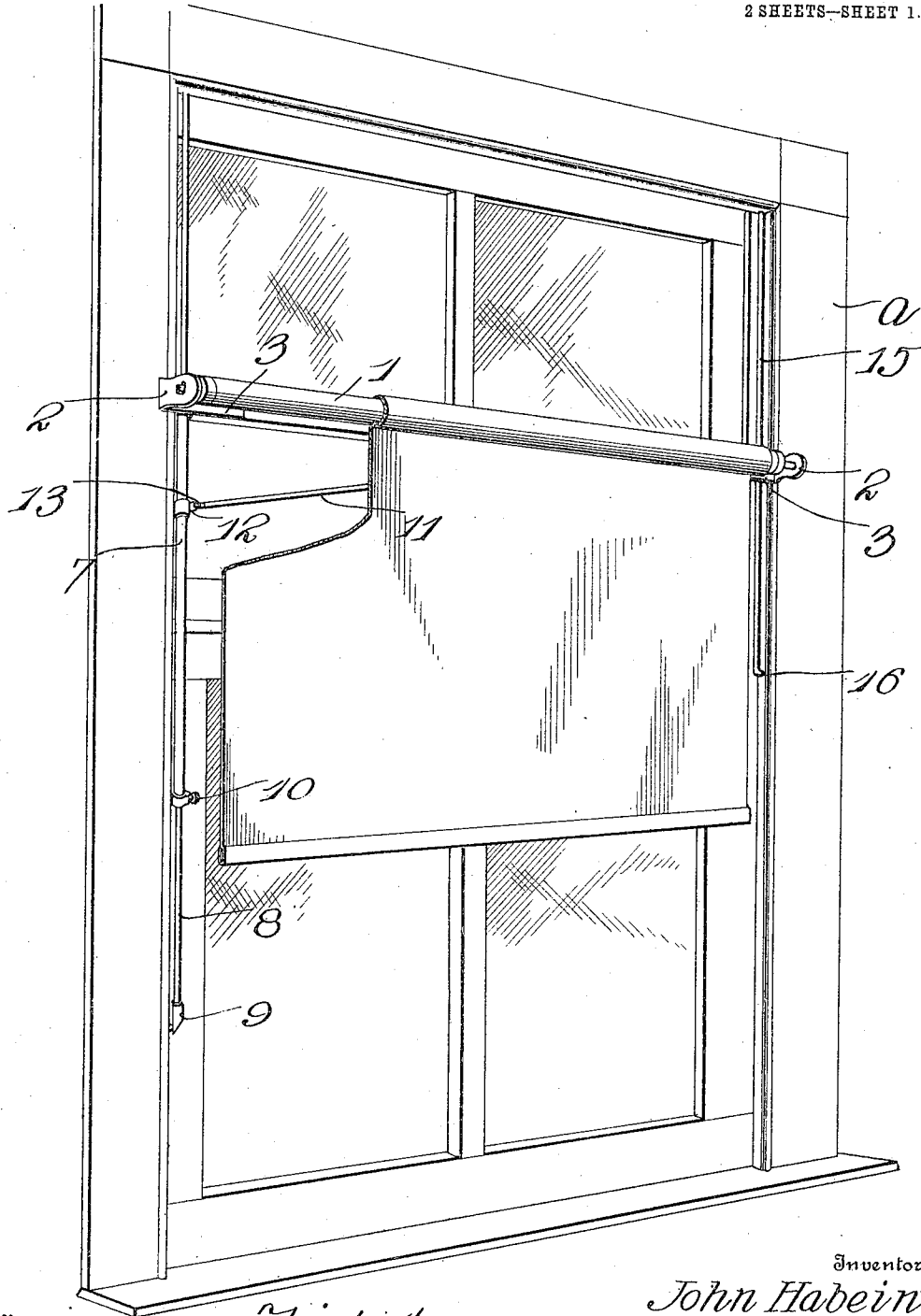


Fig. 1.

Witnesses
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W. H. Macy

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Inventor

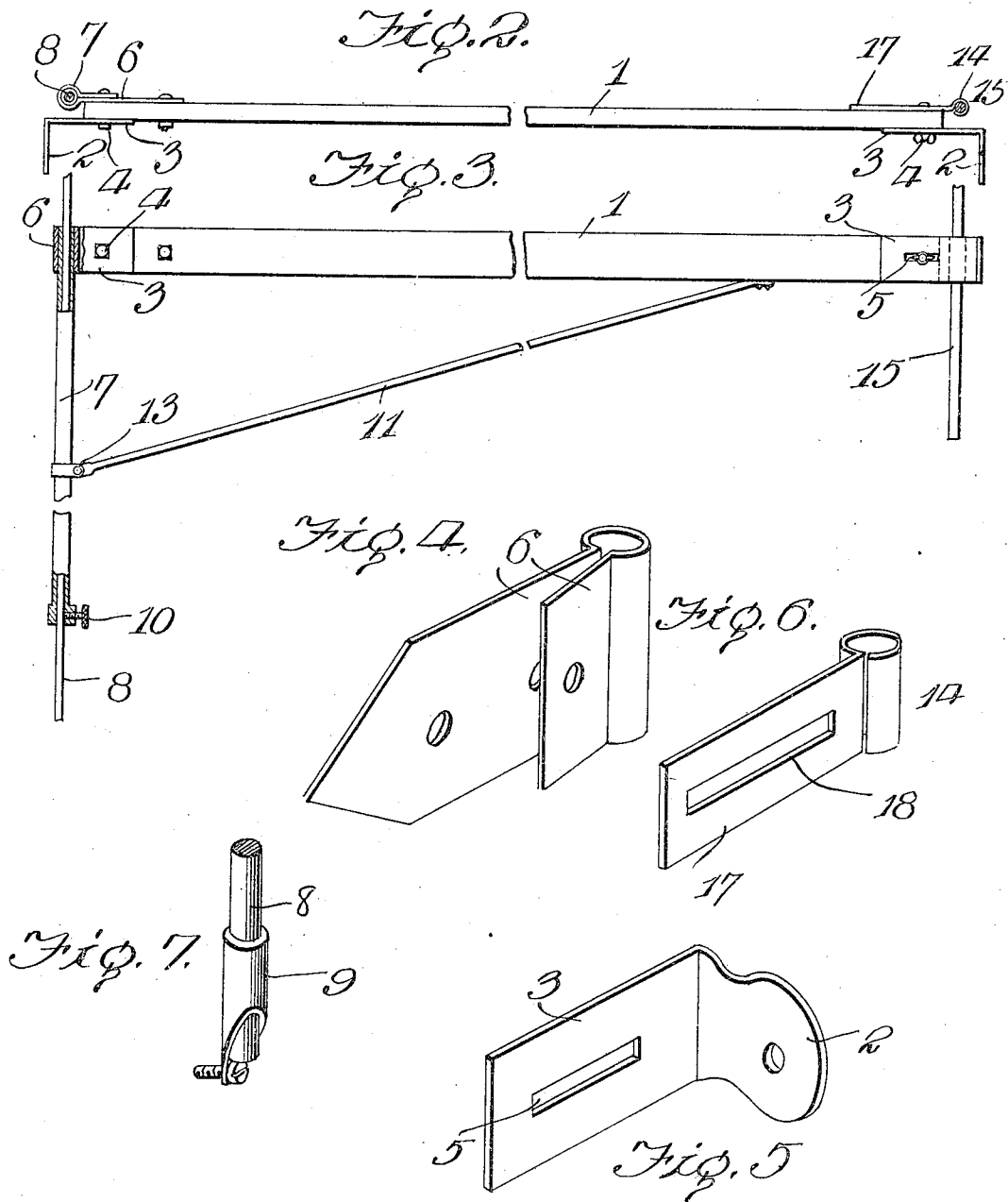
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UNITED STATES PATENT OFFICE.

JOHN HABEIN, OF ZION CITY, ILLINOIS.

SHADE-ADJUSTER.

953,418.

Specification of Letters Patent. Patented Mar. 29, 1910.

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To all whom it may concern:

Be it known that I, JOHN HABEIN, a citizen of the United States, residing at Zion City, in the county of Lake and State of Illinois, have invented certain new and useful Improvements in Shade-Adjusters, of which the following is a specification.

This invention comprehends certain new and useful improvements in window shade hangers, and the invention has for its object an improved device of this character which is arranged to support the shade in such a manner as to admit of the same being readily adjusted vertically with respect to the window, the device being very simple, durable and strong in structure and consisting of comparatively few parts which parts are not likely to get out of order.

With this and other objects in view that will more fully appear as the description proceeds, the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and then point out the novel features of in the appended claims.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view showing a window equipped with my improved shade adjuster; Fig. 2 is a top plan view of said adjuster, the guide rods being in section; Fig. 3 is a front elevation partly broken away; and Figs. 4, 5, 6 and 7 are enlarged perspective views of parts of the device.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings, by the same reference characters.

My improved shade adjuster embodies a horizontally disposed cross bar 1 which extends transversely of the window casing *a*, and which is equipped at its opposite ends with outstanding brackets 2 adapted to receive the gudgeons of a conventional shade roller. The brackets are formed with angularly disposed attaching plates 3 that overlap the front face of the cross bar and are fastened thereto by bolts 4 or other similar fastening means, the attaching plates being preferably slotted, as indicated at 5, so as to be susceptible of adjustment to accommodate shade rollers of different lengths.

A clamp 6 is arranged at the rear face of the cross bar 1 and preferably projects slightly beyond one end of the same. This clamp is formed of an integral strip of spring metal which is doubled upon itself intermediate of its ends to form a split tubular portion and spaced members extended from the split edges of the tubular portion (see Fig. 4). The said split tubular portion embraces a vertical sleeve 7, while the adjacent bolt 4 is passed through the spaced members of the clamp and is arranged when tightened to draw the same together to bind the tubular portion in adjusted position on the sleeve, whereby to effect the attachment of the cross bar thereto. The sleeve 7 is slidable on a vertically disposed guide rod 8 that is positioned at the face of the proximate jamb of the window casing, the upper end of the guide rod being preferably pointed, so as to be capable of being driven into the head of the window casing, while the lower end of the rod is supported in a ferrule 9 secured to the said jamb by a screw or the like. A set screw 10 works in the sleeve and is designed to impinge against the guide rod to maintain the former at different elevations on the latter to effect the vertical adjustment of the window shade.

In order to relieve the clamp 6 of undue strain, I employ an obliquely extending strut or brace 11 that is fastened at one end to an intermediate point of the cross bar 1 and is equipped at its other end with a clamp 12, the latter being arranged to embrace the sleeve at a point below the clamp 6. The clamp 12 is substantially in the form of a split ring, the ends of which are adapted to be drawn together by a tension screw 13 to maintain the clamp firmly in adjusted position on the sleeve.

The present invention also contemplates means for guiding the free end of the cross bar in its vertical movement. For this purpose a vertically extending tubular slide 14 is arranged at such end of the cross bar and is movable on a second guide rod 15 that is fastened in a substantially vertical position to the other jamb of the window casing, the upper end of the guide rod being driven into the head of the casing and the lower end being returned horizontally, as indicated at 16, for attachment to the said jamb. The slide 14 is carried by a plate 17 which is disposed at the rear face of the cross bar and is attached thereto through the instru-

mentality of the adjacent bolt 4, the plate being slotted, as indicated at 18, in order to admit of the slide being adjusted in respect to the cross bar to render the device susceptible of application to window casings of different widths.

From the foregoing description in connection with the accompanying drawing, it will be apparent that in the practical use of the invention the vertical adjustment of the shade may be conveniently effected by merely manipulating the set screw 10 and shifting the sleeve 7 on the guide rod 8. Manifestly such an operation is very simple and capable of being performed by a child or other inexperienced person.

Among the many advantages residing in this structure, attention is particularly directed to the fact that it may be readily applied to the window casing without unduly marring the same; that it embodies to a marked degree the characteristics of simplicity, durability and strength; and that it consists of comparatively few parts which may be easily and cheaply manufactured and readily assembled.

Having thus described the invention what is claimed as new is:

1. In a shade hanger, the combination of spaced vertical guide rods, a sleeve slidable on one of the guide rods, a horizontal shade supporting cross bar disposed transversely of the guide rods and fixed at one end to the sleeve, and a slide mounted on the other guide rod and provided with a slotted attaching plate adjustably connected to the proximate end of the cross bar.

2. In a shade hanger, the combination of a vertical guide rod, a sleeve slidable on the rod, a horizontally disposed shade supporting element fixed at one end to the sleeve and vertically adjustable thereon, an oblique brace attached at one end to an intermediate point of the supporting element and arranged at its opposite end for adjustable connection with the sleeve, and means for holding the sleeve at different elevations on the guide rod.

3. In a shade hanger, the combination of a vertical guide rod, a sleeve slidable on the guide rod, a horizontally disposed shade

supporting element provided at one end with a clamp embracing the sleeve and vertically adjustable thereon, an obliquely disposed brace attached at one end to the supporting element and provided at its opposite end with a clamp embracing the sleeve and vertically adjustable thereon, and means for holding the sleeve at different elevations on the guide rod.

4. In a shade hanger, the combination of a vertical guide rod, a sleeve slidable on the guide rod, means for holding the sleeve at different elevations on the rod, a horizontally disposed shade supporting element, a spring clamp carried by the shade supporting element and embodying a split tubular portion embracing the sleeve, and means for binding the said split tubular portion in vertically adjusted position on the sleeve.

5. In a shade hanger, the combination of a vertical guide rod, a sleeve slidable on the guide rod, means for holding the sleeve at different elevations on the rod, a horizontally disposed shade supporting element, a spring clamp carried by the shade supporting element and composed of a split tubular portion and spaced members extended from the split edges of the tubular portion, and means for drawing the spaced members together to bind the said tubular portion in vertically adjusted position on the sleeve.

6. In a shade hanger, the combination of a guide rod and a shade supporting element connected to the guide rod and adjustable in the direction of the length thereof, said connection including a spring clamp consisting of a split tubular portion through which the guide rod passes, spaced members extended from the split edges of the tubular portion, and a fastening device inserted through the spaced members and secured in the shade supporting element and adapted to draw said members together to bind the tubular portion in adjusted position.

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

JOHN HABEIN. [L. s.]

Witnesses:

W. O. LEWIS,
WM. ROTTMAYER.