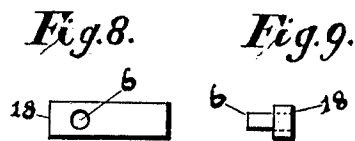
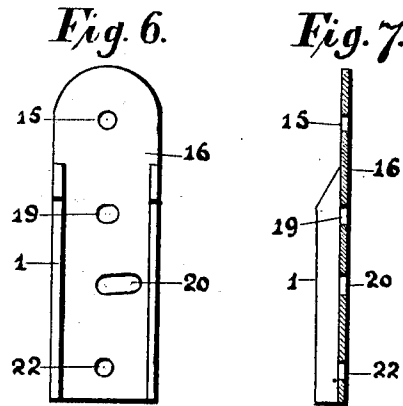
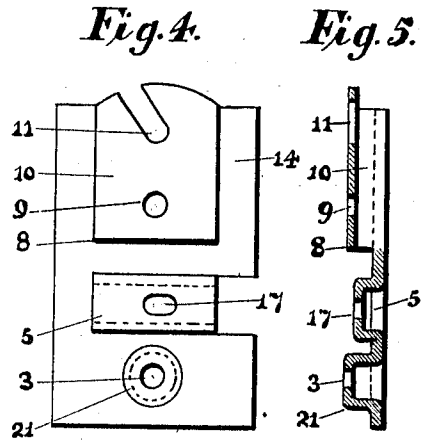
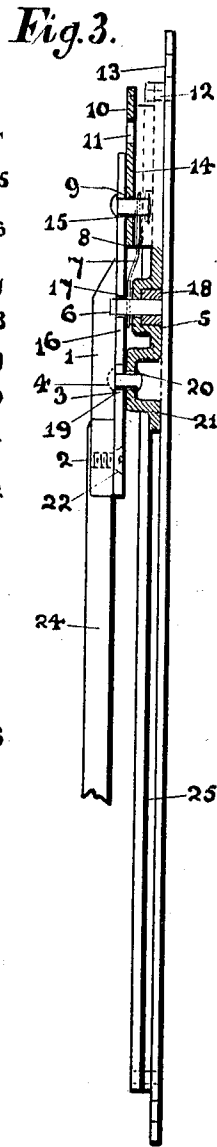
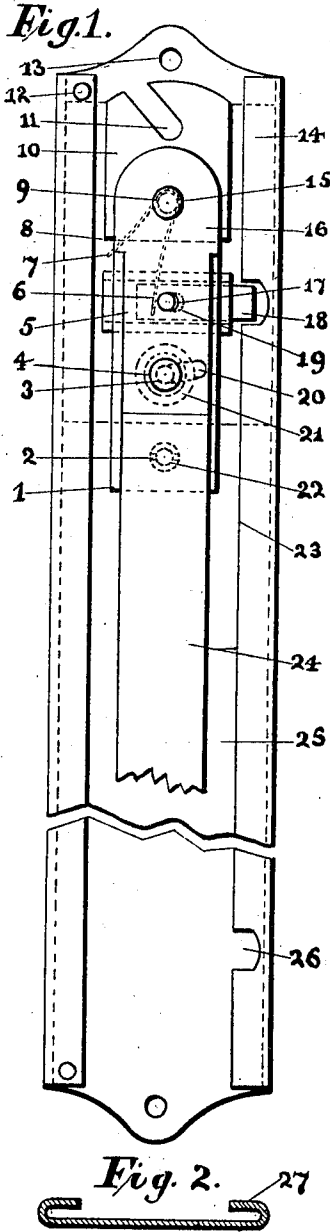


A. ROSE.
VERTICALLY SLIDING BRACKET FOR SHADE ROLLERS.
APPLICATION FILED MAY 21, 1912.

1,054,316.

Patented Feb. 25, 1913.



WITNESSES:

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VERTICALLY-SLIDING BRACKET FOR SHADE-ROLLERS.

1,054,316.

Specification of Letters Patent.

Patented Feb. 25, 1913.

Application filed May 21, 1912. Serial No. 698,860.

To all whom it may concern:

Be it known that I, ARTHUR ROSE, a citizen of the United States, residing at 56 North Sixth street, in the city of Newark, county of Essex, and State of New Jersey, have invented a new and useful Improvement in Vertically-Sliding Brackets for Shade-Rollers, of which the following is 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.

My invention relates to improvements in a vertically sliding bracket for a shade roller.

The object of my invention is to provide a sliding bracket for a shade roller that is particularly adapted to be affixed to the inside of a window casing where shades are so used, permitting the shade roller to be lowered and raised within the casing and securely locking it by means of a bolt while in such adjusted positions.

A further object of my invention is to provide means for a more thorough ventilation of apartments and sleeping rooms by lowering the shade roller vertically within its brackets, securely, without impairing its ordinary use and manipulation while in such position: the window then being lowered from the top permitting a free circulation of air over the top of the shade.

A further object of my invention is to provide a vertically sliding bracket that is simple in construction, economical in cost, durable and efficient in use and readily affixed by two small screws within a window casing in place of the rigid bracket now in general use, without changing any conditions of shade roller in length or otherwise.

With the foregoing objects in view my invention consists in novel combination of parts hereinafter fully explained and illustrated in the accompanying drawings.

Figure 1 is an assembled view of my invention representing the bracket plate that engages the stud on the spring end of the roller within its guide: the bracket engaging the cylindrical stud on the other end of the roller is similar in design excepting the pin hole at 11 having no cut out. Fig. 2 is a cross section of the same. Fig. 3 is a longitudinal sectional view of Fig. 1, the bracket plate 14 and the locking bolt 18 shown with shaded lines only. Fig. 4 is a plan view of the bracket plate; Fig. 5 is a

sectional side view of the same. Fig. 6 is a plan view of the releasing plate; Fig. 7 is a side sectional view of the same. Fig. 8 shows the locking bolt; Fig. 9 is a side view of the same.

Similar numerals and references designate corresponding parts in all the figures of the drawing.

Referring particularly to the drawings 25 denotes the guide, which consists of a strip of sheet metal, the outer edges of which are struck up and inwardly bent forming two lips parallel with each other as at 27, through which vertically slides the bracket plate 14 more fully explained hereafter. One lip of said guide is provided with two cut outs or pockets; one near each extremity as at 26 for the locking bolt 18 to engage therein at each limit of adjustment of the bracket plate. Also a small hole in the other lip at each extremity as at 12, for installing a rivet to prevent the device being taken apart after being assembled; the guide is affixed to the inside of a window casing by two screws as at 13. The bracket plate 14 is cut from sheet metal and stamped up with three depressions therein; the upper one at 10, containing a pin hole with a cut out at 11, forming a bearing for the stud on the spring end of the shade roller; at 9, the same depression a pivot hole will be observed for attaching the releasing plate thereto through 15; at 8 this depression is cut through, forming an opening through which the spring 7 actuating the locking bolt 18 passes up and over the rivet at 15 and thence to the left side of the bolt pin at 6. The intermediate depression at 5, forms a small slide for the locking bolt 18 to ride therein, with its pin 6 extending upward and through the elongated hole at 17 which limits the travel of the said bolt and thence through the elongated hole at 19 in the releasing plate at which point the said plate releases the bolt from its locked position in the guide. The lower depression or boss at 21 with a hole in its center is for a safety rivet hereinafter explained. The releasing plate 16 is struck up from sheet metal, with its outer edges bent up at right angles as at 1, which stiffens the plate and also provides a setting for inserting a light stick, or other suitable material, which is attached thereto at 22 by a rivet or screw, and forms an extension handle with which to manipulate the device. On a vertical central line through

the said plate will be found a hole at 15 by which the said plate is pivoted to the bracket at 9; a slightly elongated hole at 19 through which passes the pin 6 of the locking bolt 18 and by this medium the said bolt is released from its locked position in the guide; an elongated hole at 20 through which passes a rivet into the boss of the bracket plate at 3, with freedom of movement, for the releasing plate to ride under the head of the rivet 4. I install this rivet as a measure of safety to prevent the releasing plate from being impaired by rough usage in its freedom of action with the bolt 18. With the device assembled as aforescribed with the locking bolt 18 in its pocket in the guide, the bracket plate will be securely locked.

In lowering the shade the two light sticks or reeds as at 24 are grasped and slightly drawn toward the operator, the releasing plate withdraws the bolt 18 from its pocket in the guide by pressure of the elongated hole at 19 on the pin 6. The shade roller can then be lowered by a simultaneous movement. In its transit to its lower position the locking bolt 18 rides on the edge of the lip 23 and actuated by pressure of the spring 7 upon the pin 6 will snap into the lower pocket in guide at 26 when arriving at that point; the clearance on the side of the pin in the elongated hole at 19 gives it this freedom; the bracket plate is then securely locked in its positions; it is restored to its upper or normal position in a similar manner as described.

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

1. In a sliding bracket for a shade roller, the combination of a sheet metal guide with two inwardly extending lips parallel with each other and forming a track through which a bracket plate vertically slides and provided with two cut outs or pockets in one of said lips to receive a locking bolt actuated by a spring at each limit of adjust-

ment of said bracket plate; and a small hole at each extremity of the other lip for a rivet to be installed after the device is assembled; with a vertically sliding bracket with three depressions stamped therein, the upper one providing a bearing for the pivot pin of a shade roller, also a rivet hole for pivoting the releasing plate thereto; the bottom of this depression being cut through providing clearance for a spring operating the locking bolt; an intermediate depression forming a cavity wherein slides the said locking bolt and containing an elongated hole through which passes the pin of the said bolt and forming a limit of travel for the said bolt; a lower depression or boss with a hole in its center for installing a rivet passing through the releasing plate.

2. In a sliding bracket for a shade roller the combination of a sheet metal guide with two inwardly extending lips parallel with each other and forming a track through which a bracket plate vertically slides; a releasing plate struck up from sheet metal its outer edges bent up at right angles and provided with a hole at its upper end by which it is pivoted to the bracket plate, a slightly elongated hole through which passes the pin of the locking bolt, an elongated hole through which passes a rivet into the boss of the bracket plate, and a hole at its lower end for attaching a stick; a locking bolt with a pin inserted therein actuated by a small spring, the said bolt engaging with the pockets in one of the lips of the guide; a light stick attached to said releasing plate and forming an extension handle by which the device is operated, all substantially as set forth and explained in specifications.

In testimony that I claim the foregoing as my own invention, I have hereto affixed my signature in presence of two witnesses.

ARTHUR ROSE.

Witnesses:

CARL FREDERICK METZGER,
JARED D. PIERSON.