

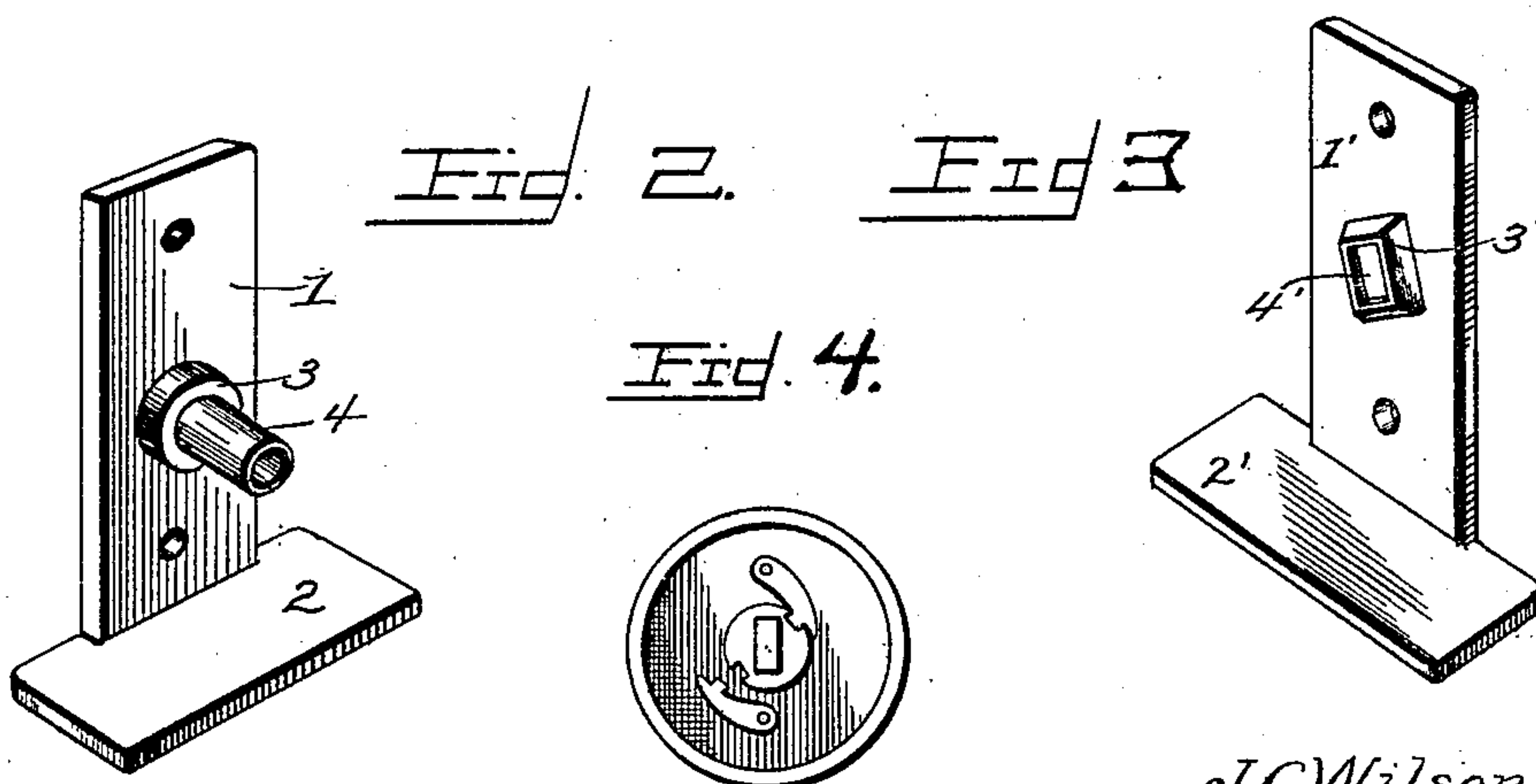
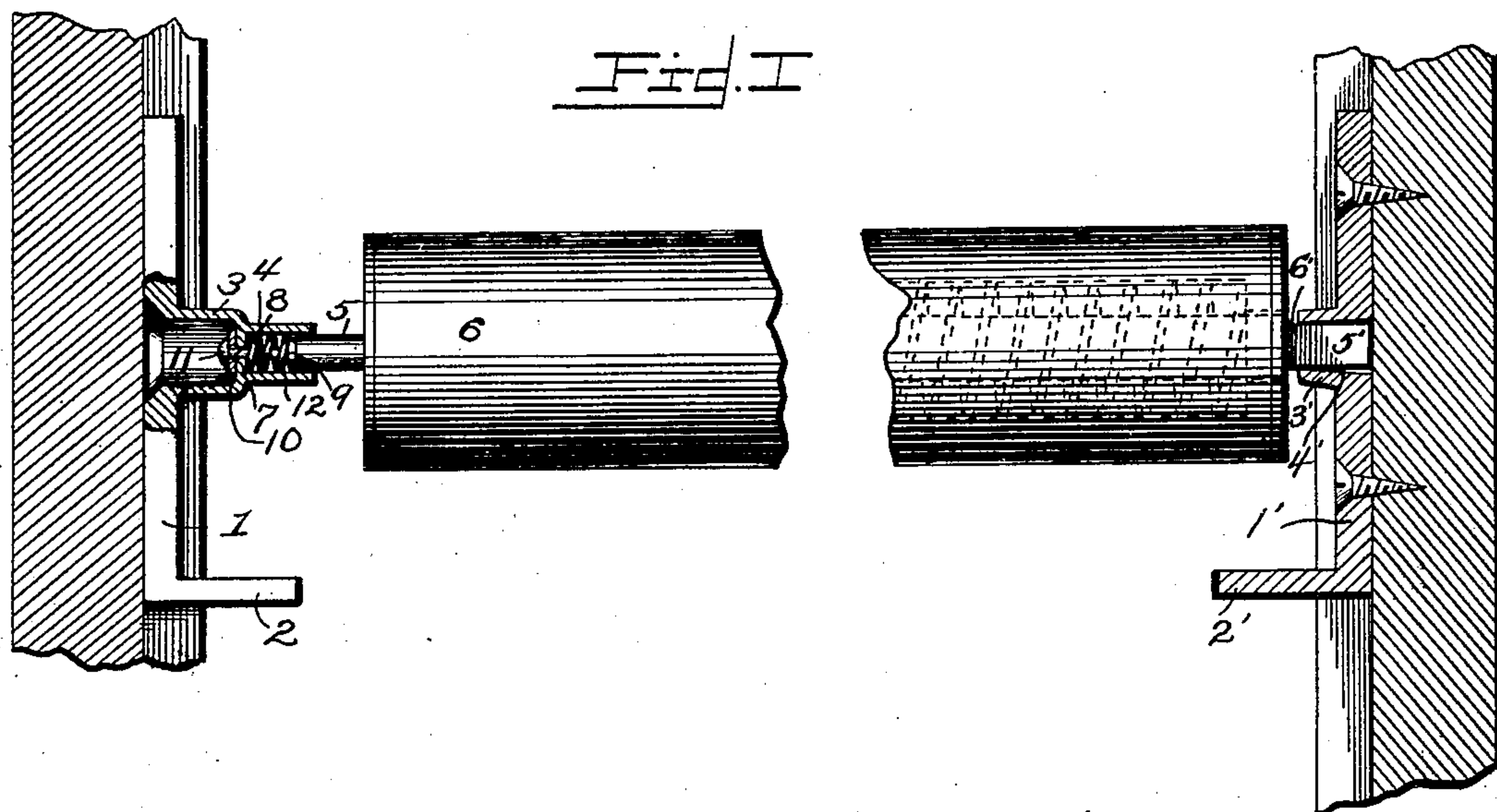
No. 689,339.

Patented Dec. 17, 1901.

J. C. WILSON.
SHADE ROLLER BRACKET.

(Application filed Dec. 21, 1899.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH C. WILSON, OF PITTSBURG, PENNSYLVANIA.

SHADE-ROLLER BRACKET.

SPECIFICATION forming part of Letters Patent No. 689,339, dated December 17, 1901.

Application filed December 21, 1899. Serial No. 741,124. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH C. WILSON, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Shade-Roller Brackets, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in shade-roller brackets, and has for its object to construct the supporting-brackets for the shade-roller in such a manner as to prevent the accidental displacement of the latter when operated.

The invention, briefly described, consists of a pair of brackets, one right-hand and the other left-hand, and each of especial construction. Each of these brackets comprises a vertical plate with a horizontal plate on the lower end to arrest the upward movement of the window. One of these brackets carries a socket of differential diameters to receive the pintle which is rigid with the shade-roller, and the opposite bracket has a socket of different form to receive the pintle which the spring mechanism of the shade-roller engages.

The construction and operation will be hereinafter fully explained, and in describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, wherein like numerals of reference will be employed to designate like parts throughout the different views of the drawings, and in which--

Figure 1 is a partial sectional view and partial side elevation showing the brackets in position and the shade-roller therein, the latter being partly broken away. Fig. 2 is a detail perspective view of one of the brackets. Fig. 3 is a like view of the opposite bracket. Fig. 4 is a detail end view of a shade-roller of ordinary form of construction shown herein for the purpose of better illustrating my invention.

Shade-roller brackets as now generally employed have on one of the brackets an open socket—that is, the pintle in one end of the roller is inserted into the socket of the one bracket and the pintle at the opposite end of the roller is then dropped into its socket, the

latter being open either at the top or side for this purpose. In case the shade is permitted to ascend rapidly it frequently happens that when the lower end of the shade (which usually contains a strip of wood) strikes the roller it does so with sufficient force to dislodge the pintle from the open socket, and thus permit the shade to fall. I obviate these difficulties by providing brackets which have sockets open only at the ends and inserting both pintles into these sockets endwise thereof, which pintles can only be removed by a like endwise or longitudinal movement of the shade-roller.

I will now describe the construction of the brackets, as shown in the accompanying drawings, in which the left-hand bracket consists of a vertical plate 1, having an integral plate 2 at its lower end, which is provided merely as a stop for the window. This plate 1 is provided with apertures to receive securing means, such as screws, for fastening the bracket to the window-frame. About centrally of its length the plate is provided with a socket which is open at both ends and is of differential diameters, as at 3 4, the smaller diameter 4 being the socket proper to receive the pintle-pin 5, that is rigidly secured in the one end of the shade-roller 6. The two different diameters of the socket are separated interiorly by a partition 7, having an opening to receive a bearing-pin 8. This pin 8 is provided on the end extending into the part 4 of the socket with a head 9, and after its other end has been passed through the opening in the partition 7 a washer 10 is placed on the pin and the end thereof then headed, as shown at 11. Between the partition 7 and the head 9 there is arranged on the pin a coil-spring 12, which holds the headed end 11 of the pin normally in engagement with the washer 10. The opposite bracket consists of a vertical plate 1', having the integral stop-plate 2' at its lower end and openings in the vertical plate 1' to receive fastening means for securing to the window-frame, those parts of the bracket at the right hand of the window being identical with those of the left-hand bracket. The plate 1' in lieu of the socket of differential diameters, as formed on the plate 1, has a socket 3', the opening 4' in which is substantially oblong and is adapted to receive the

oblong end 5' of the pintle 6' in this end of the shade-roller. The end 5' of the pintle 6' is adapted to be inserted endwise into this socket 3' in the same manner as the pintle 5 is adapted to be inserted endwise into the part 4 of the socket on the bracket 1. The pintle 6' is connected to the mechanism for placing the roller under spring tension, so as to rewind the shade thereon, which mechanism does not form any part of my invention and may be of the ordinary or any desired form of construction.

In operation the pintle 5 is placed within the part 4 of the socket and the spring 12 compressed until the end of the roller 6 will be against or close to the end of the said part 4 of the socket, at which time the end 5' of the pintle 6' may be inserted into the opening 4' of the socket 3', and upon the pressure on the spring 12 being relieved the end 5' of the pintle 6' will be seated in the socket 3', as shown in Fig. 1.

The sockets of differential diameter enable ready access to the bearing-rod 8, as well as assuring no binding of head 11 and washer 10 when the same are given motion.

Having fully described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

A shade-roller support comprising in combination with a vertical plate secured to the window-frame and contacting therewith and carrying an outwardly-extending stop-plate on the lower end thereof, of an integral collar carried by the said plate and having a socket formed therein, a contracted collar formed integral with the outer end of said first-named collar and having a socket formed therein of less diameter than the socket in said first-named collar, an apertured partition between said sockets, a bearing-pin operating therein, a head on each end of said pin, a washer mounted on the pin and engaging one of said heads and said partition, and a spiral spring encircling said rod and engaging said partition and the other of said heads, said last-named head adapted to engage the shade-pintle, substantially as described.

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

JOSEPH C. WILSON.

Witnesses:

JOHN NOLAND,

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