No. 811,874. PATENTED FEB. 6, 1906.

E. M. RUFF.

WINDOW SHADE BRACKET.

APPLICATION FILED SEPT. 26, 1905.

Fig. 1.

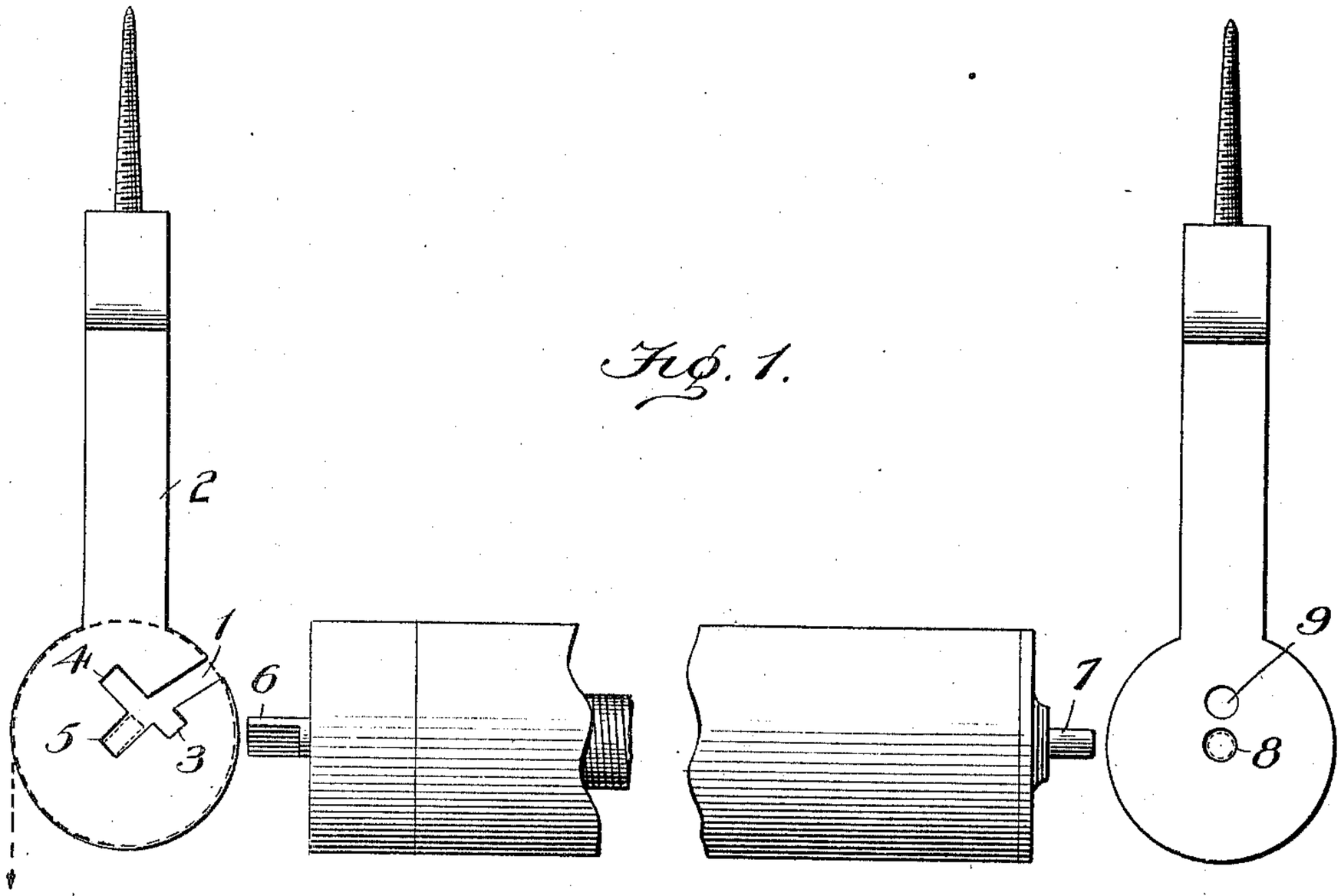

Fig. 2.

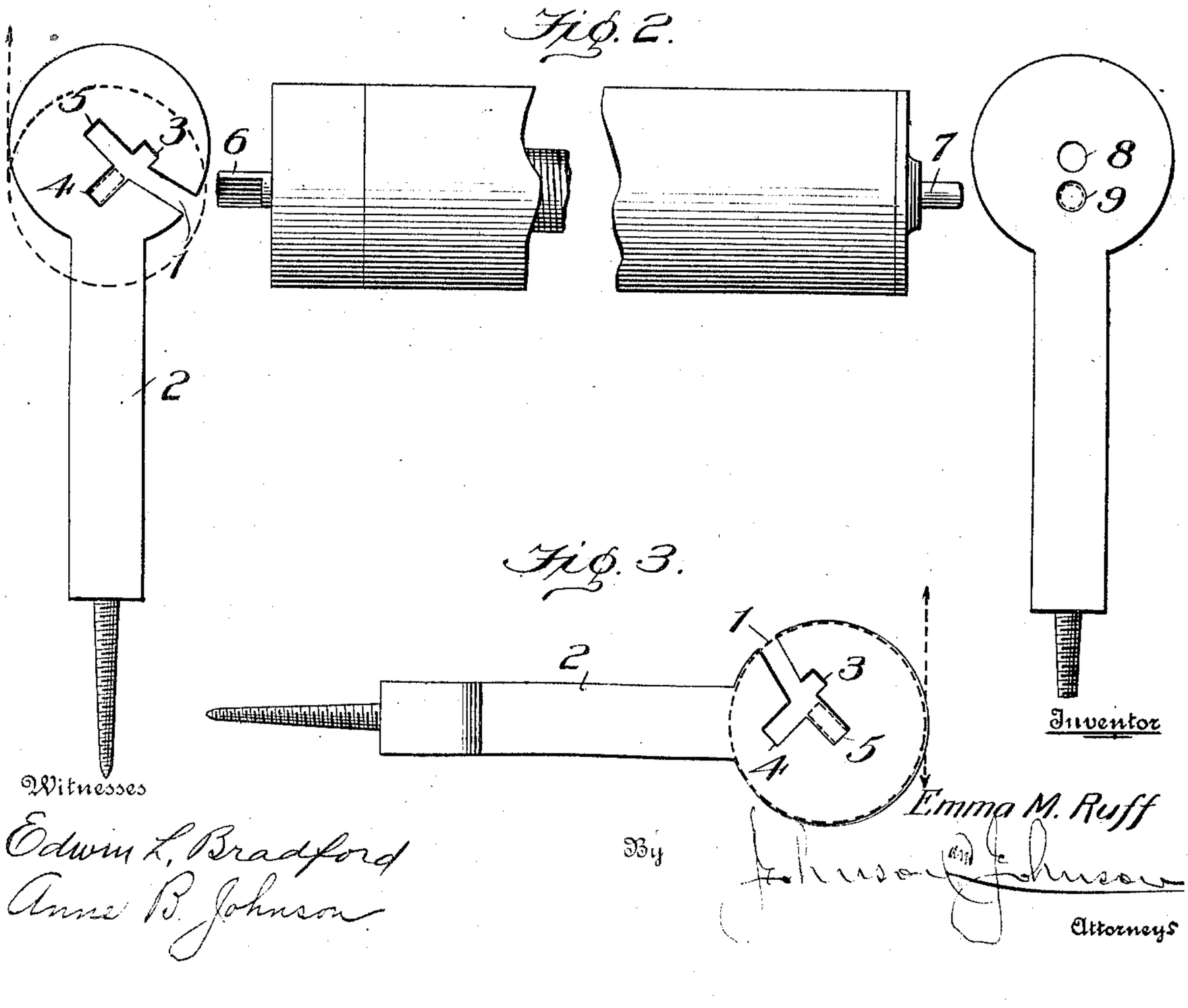

Fig. 3.

Witnesses

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WINDOW-SHADE BRACKET.

No. 811,874. Specification of Letters Patent. Patented Feb. 6, 1906.

Application filed September 26, 1905. Serial No. 280,114.

To all whom it may concern:

Be it known that I, EMMA M. RUFF, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Window-Shade Brackets; and I do hereby 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.

For shade-rollers of the type known as "spring-rollers" I have produced supporting-brackets of novel construction having special adaptation which permits the brackets to be fixed in any desired position in the window and the roller subsequently mounted in the brackets. This is the usual way with brackets of the ordinary shade-rollers; but so far as I know and can find no brackets have been produced that will allow the pair to be fixed preparatory to mounting the spring-roller shade in which an angle-lug is mounted in a slotted bracket to control the action of the roller-spring, and in the claims appended hereto I will point out in connection with the accompanying drawings the precise construction which constitutes my improvement.

Referring to the drawings, Figure 1 shows a portion of the spring-roller and its angle-lug and pin-bearings, the slotted bracket for the angle-lug and the bracket for the bearing-pin having a pair of holes to suit the adjustment of the roller in the different slots of the slotted bracket, the brackets being in depending positions. Fig. 2 is an identical view showing the brackets in reversed positions. Fig. 3 shows the slotted bracket in a horizontal position.

In Figs. 1 and 2 the roller-lug and pin are in the positions they respectively occupy in alinement with the slot and the hole of the brackets when the roller is mounted, the open-ended slot being provided for changing the mounting of the roller to suit different positions of the brackets. Each bracket is a plate of suitable length and has an enlarged end, the other end of each terminating in an attaching-screw. The bracket for the angle-lug of the roller has a plurality of intersecting slots, one of which is open at the edge of the bracket, and the bracket for the revolving pin has a pair of holes, and the relation of the slots and the holes for the adjustment of the roll-supports I will now describe. Referring to the slotted bracket, the slot 1 stands radial to the center of the bracket and opens at the edge of the plate where its enlarged end joins the edge of the shank 2. This open slot terminates in a recess 3, standing toward the enlarged end of the bracket, and also into a slot 4, standing about in alinement with the recess and inclined toward the shank, while a slot 5, in alinement with the open slot, stands toward the enlarged end of the bracket, the slots and the recess intersecting in an opening about the center of the enlarged end of the bracket, and these slots by reason of the advantage of the open slot and the recess allow the bracket to be fixed in three different positions. The changing of the angle-lug 6 from one slot to the other will necessarily change the center of the angle-lug in relation to the center of the revolving bearing-pin 7 in the other bracket, and to maintain the alinement of the two centers in the different positions of the brackets I provide the bracket of the revolving pin with a pair of holes 8 9, so that in changing the angle-lug in the slots the revolving pin will be also changed in the hole to support the pin in alinement with the center of the angle-lug, and thereby cause the roller to run true and even, and for this purpose it will be noticed that the hole 8 is in the center of the bracket and the other hole 9 is eccentric to said center, being so placed that its center will coincide with the center of the angle-lug when it is changed into the slot 4, while the center hole 8 will coincide with the center of the angle-lug when placed in the other slot 5. It will therefore be understood that in setting the angle-lug in the slot 5 the pin at the other end of the roller will be set in the center hole 8 of its bracket, and in setting the angle-lug in the other slot 4 the revolving pin must be set in the eccentric hole 9, so that the center of the bearings of the roller will always be in alinement.

In the position of the bracket as a hanger, as in Fig. 1, the angle-lug will be inserted into and through the open slot to its seat in the slot 5, and in the horizontal position of the bracket, as in Fig. 3, the angle-lug will be inserted into and through the open slot and seated in the same slot 5, while in the position of the bracket seen in Fig. 2 the angle-lug will be passed into the slot 4, and to permit this adjustment of the angle-lug the recess 3 is provided to allow the angle-lug to be turned from the open slot first into the recess and then into its bearing in the slot 4, and in

this way the open-ended slot and the recess form the means whereby the roller is mounted in the brackets after they have been fixed in their proper positions in the frame.

It will be understood that in whatever position the bracket for the angle-lug is placed the open-ended slot will always stand in a position opposite the pulling force of the shade upon the roller and will always tend to bind and hold the lug in its proper slot. The dotted lines indicate the shade upon the roller and the arrows the direction of the winding of the shade. Figs. 1 and 2 illustrate how easy it is to mount the spring-roller after the brackets have been fixed by inserting the angle-lug in the open-ended slot of the slotted bracket.

I claim—

1. A bracket for a shade-roller, consisting of a plate enlarged at one end, its other end terminating in an attaching-screw, said enlarged end having a central slot open at one end, a slot eccentric to the center slot communicating at right angles with its open end, a recess communicating at right angles with said open end at the other side of the central slot, and an open slot communicating with the eccentric slot and the recess in alinement with the central slot, for the purpose stated.

2. A bracket for shade-roller, consisting of a plate enlarged at one end, its other end terminating in an attaching-screw, said enlarged end having a central slot open at one end, a slot eccentric to the center slot communicating at right angles with its open end at one side, a recess communicating with said open end at right angles to the other side of said central slot, and an open slot communicating with the eccentric slot and said recess in alinement with the central slot, in combination with a companion bracket having a pair of openings one central and the other eccentric thereto, for the purpose stated.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMMA M. RUFF.

Witnesses:

D. CHARLES CAMPBELL,

EDMUND WILLIAMSON.