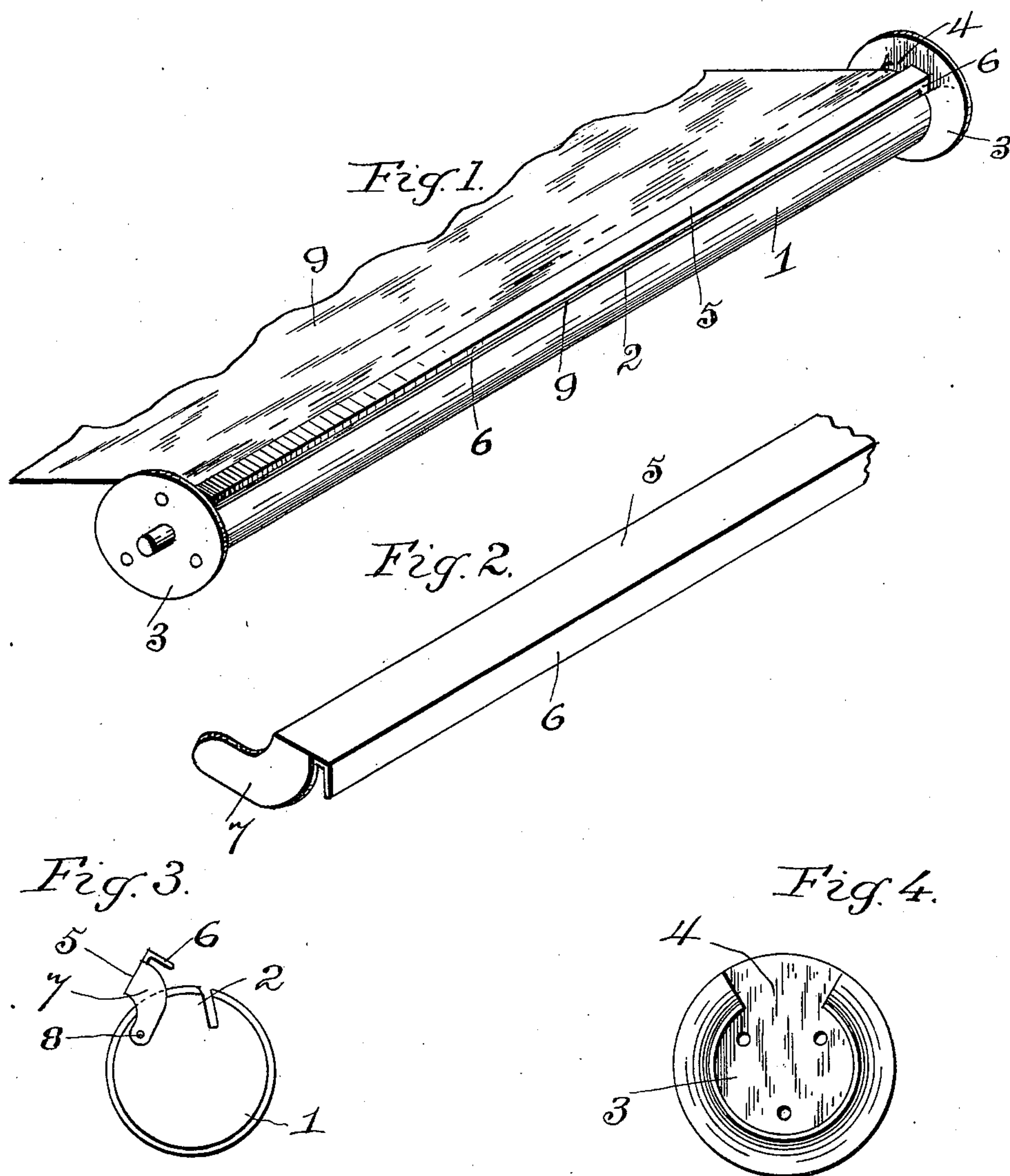


(No Model.)

W. C. JOHNSON
SHADE ROLLER.

No. 592,734.

Patented Oct. 26, 1897



Witnesses:
John Stump
C. J. Bell

Inventor:
William C. Johnson
by N. H. Wills
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM C. JOHNSON, OF TYE RIVER, VIRGINIA.

SHADE-ROLLER.

SPECIFICATION forming part of Letters Patent No. 592,734, dated October 26, 1897.

Application filed June 9, 1897. Serial No. 639,964. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. JOHNSON, a citizen of the United States, residing at Tye River, in the county of Nelson and State of Virginia, have invented certain new and useful Improvements in Shade-Rollers; and I do 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 ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to curtain or shade
15 rollers, and particularly to means for attaching the shade or curtain to the roller.

The object of the invention is to provide a curtain-roller with means operated in the end-plate cavities and in a groove of the roller for
20 attaching a curtain or shade to the roller without tacks or other device to puncture the curtain or roller, so that the shade or curtain may be removed and replaced without mutilation of the curtain or roller.

25 The invention consists in the novel construction and arrangement of parts.

In the accompanying drawings, forming part of this application, Figure 1 is a perspective view showing the keeper holding the end
30 of the shade in the groove. Fig. 2 is a perspective view of the keeper. Fig. 3 is an enlarged end view of the roller with the end pivot-plates removed. Fig. 4 is an inner face view of one of the journal or pivot plates of
35 the roller.

The same reference-numerals denote the same parts throughout the several figures of the drawings.

40 The roller 1 is of the usual form of spring or other curtain or shade rollers, and has a

slot or groove 2 extending its entire length, the ends of the rollers being provided with the usual pivot or journal plates 3, having upon their inner face a cut-out or cavity 4.

The curtain or shade keeper consists of a
45 bar 5, having a tongue 6 at an angle to the bar, the latter being provided with pivot-ears 7, whereby the bar 6 is pivoted at 8 to the ends of the roller 1 in the cavity or cut-out 4 in the plates 3. The curtain or shade 9 is attached
50 to the roller by simply inserting one end of the shade between the keeper and roller and turning the keeper on its pivots 8 to force the tongue 6 and said shade end into the
55 groove 2. A pull on the shade will tend to tighten or increase the grip of the tongue. To detach the shade, the keeper has only to be turned to disengage the tongue from the roller-groove, which leaves the shade free to
60 be removed.

It is obvious that the ordinary roller may be used by simply making the groove and the cavity or cut-out in the end plates so as to accommodate my attachment.

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

The combination with a curtain-roller having a longitudinal groove, and end plates having a cut-out or cavity, of the curtain-keeper
70 having ears pivoted to the roller ends and working in said plate-cavities, and a tongue adapted to hold the curtain in said groove, as set forth.

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

WILLIAM C. JOHNSON.

Witnesses:

L. H. JOHNSON,
S. L. JOHNSON.