

No. 696,037.

Patented Mar. 25, 1902.

H. P. GROSS.

WINDOW SHADE GUIDE FOR SHADE ROLLERS.

(Application filed May 7, 1901.)

(No Model.)

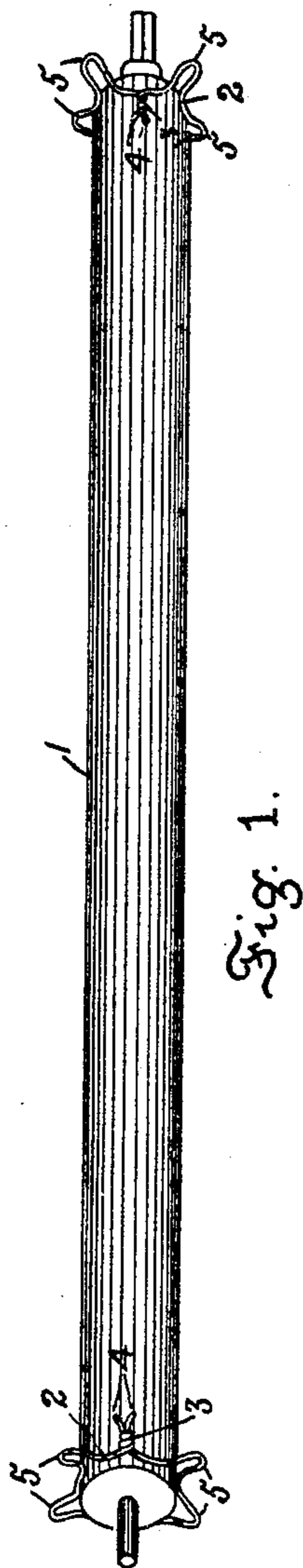


Fig. 1.

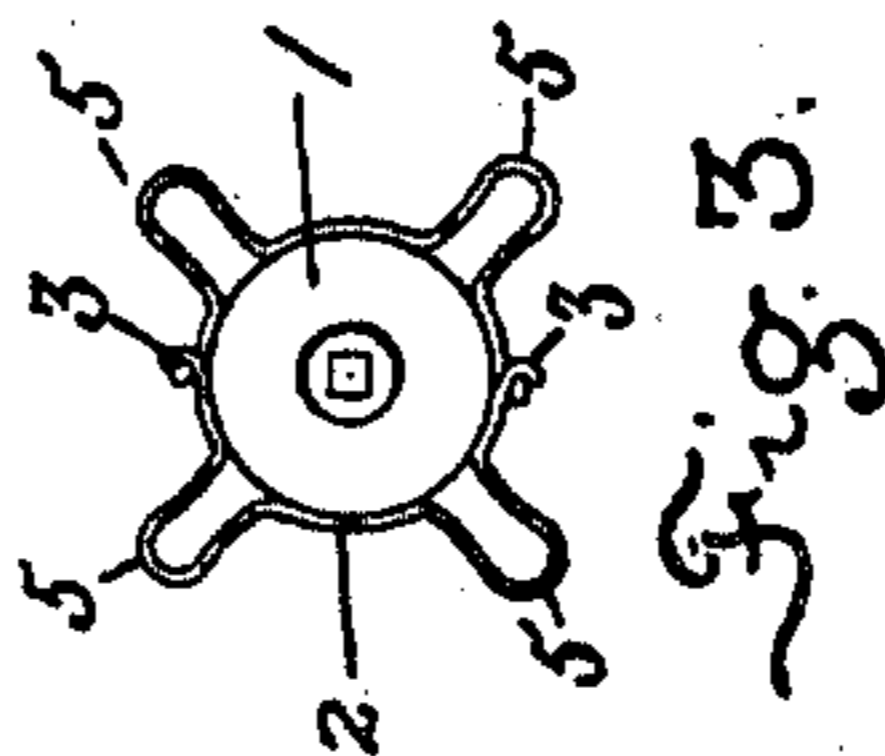


Fig. 3.

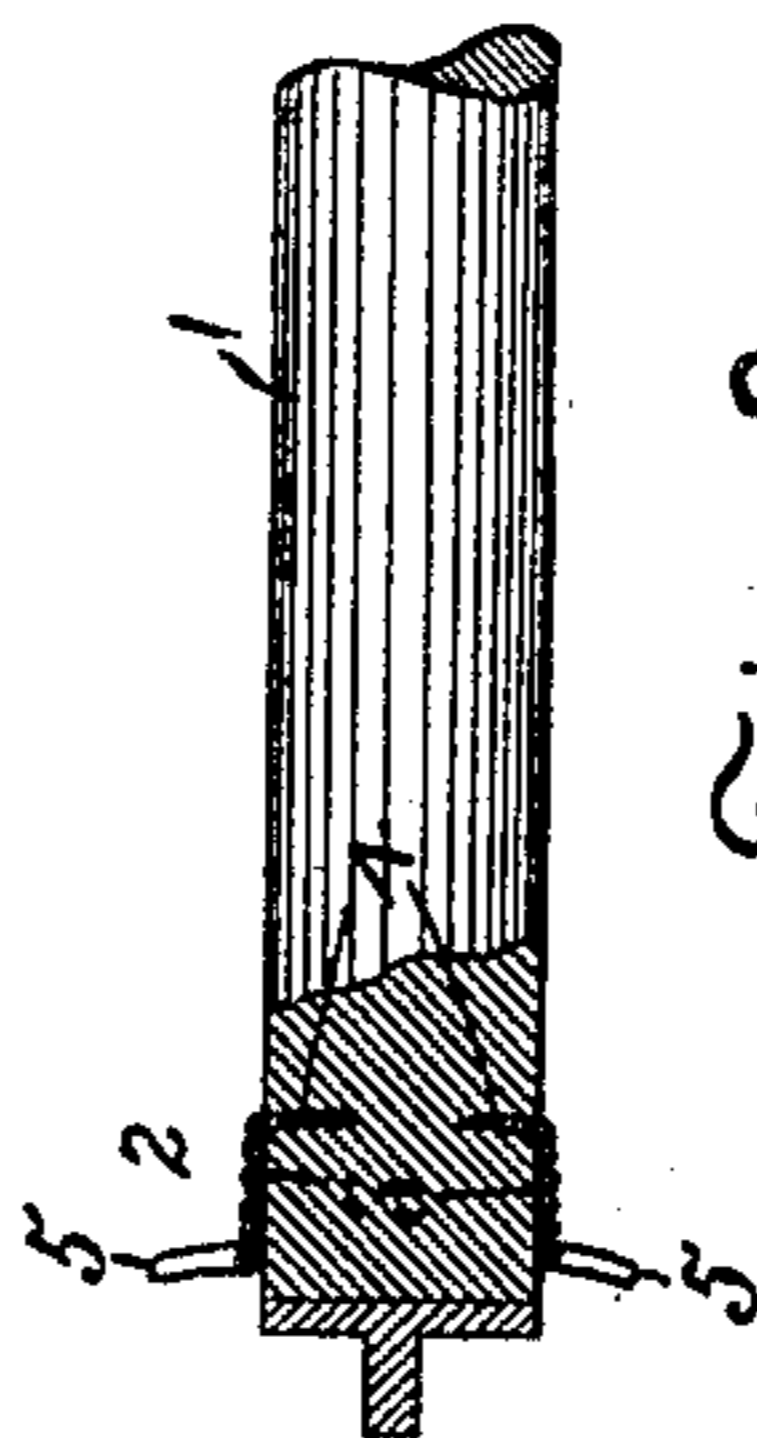


Fig. 2.

Witnesses:
John J. [Signature]
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UNITED STATES PATENT OFFICE.

HENRY P. GROSS, OF BALTIMORE, MARYLAND.

WINDOW-SHADE GUIDE FOR SHADE-ROLLERS.

SPECIFICATION forming part of Letters Patent No. 696,037, dated March 25, 1902.

Application filed May 7, 1901. Serial No. 59,073. (No model.)

To all whom it may concern:

Be it known that I, HENRY P. GROSS, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Window-Shade Guides, of which the following is a specification.

This invention relates to improvements in window-shade guides.

10 The object of the invention is to provide a simple, cheap, and efficient device which can be readily attached to a wooden shade-roller without altering the latter and which will insure an even roll of the shade on said roller at all times, thereby preventing the fraying of the edges of the shade caused by contact-
15 ing with the metal hangers should the shade be hung unevenly, which is a frequent occurrence.

20 The invention consists of the new and novel features hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of a shade-roller having
25 my improved guide applied to each end thereof. Fig. 2 is a section of one end of the shade roller and guide, and Fig. 3 is an end view of same.

Similar numerals refer to like parts throughout the several views.

Referring to the accompanying drawings, forming part of this specification, 1 designates a wooden shade-roller of ordinary construction having my improved guide 2 on each end
35 thereof. The guides 2 are of an approximately circular contour to fit over the ends of the shade-roller 1. In the present instance I have formed the guides 2 of two pieces of wire twisted together at 3; but it is obvious
40 they may be formed of a single piece having only one twisted end 3. The extremities of the twisted ends 3 are bent at right angles thereto and are formed into sharp points 4. The ends 3 when the device is secured to the
45 roller are parallel with and rest against the said roller diametrically opposite each other, the points 4 being forced into the wood to hold the guide securely in position. The guides 2 are also formed with ears 5, projecting
50 at right angles to the roller, and serve to prevent the shade from traveling endwise on the roller, thereby insuring an even roll of the shade at all times. The ears 5 incline

slightly toward the end of the roller to prevent them from catching under the edge of
the shade. 55

My invention can be applied to any wooden shade-roller by simply placing the guides over the ends thereof, and when in the proper position the points 4 are forced into the wood,
60 whereby the said guides will be securely held to the roller.

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

1. As an article of manufacture, a window-shade guide consisting of a piece of wire formed into a ring with a plurality of laterally-projecting ears, and having its ends
65 twisted together and bent at right angles to the said ears, the extremities of said ends being pointed and bent at right angles thereto, as and for the purpose described. 70

2. As an article of manufacture, a window-shade guide consisting of two pieces of wire
75 formed into a ring with a plurality of laterally-projecting ears, and having the ends twisted together diametrically opposite each other and bent at right angles to the said ears, the extremities of the said ends being
80 pointed and bent at right angles to the said ends, substantially as and for the purpose described.

3. The combination with a wooden shade-roller, of a shade-guide designed for attachment thereto, and comprising a wire ring
85 formed with a plurality of laterally-projecting ears, and having the ends thereof twisted together and bent at right angles to the said ears, said ends terminating in annular bent
90 points, as and for the purpose described.

4. The combination with a wooden shade-roller, of a shade-guide designed for attachment thereto, and consisting of a wire ring
95 formed with a plurality of laterally-projecting ears, and having its ends twisted together and bent at right angles to said ears, the extremities of said ends being pointed and bent at right angles thereto, as and for the purpose described. 100

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

HENRY P. GROSS.

Witnesses:

GEORGE H. READ,
CHAPIN A. FERGUSON.