

No. 620,301.

Patented Feb. 28, 1899.

S. GRAY,
SHADE HANGER.

(Application filed Mar. 5, 1898.)

(No Model.)

Fig. 1.

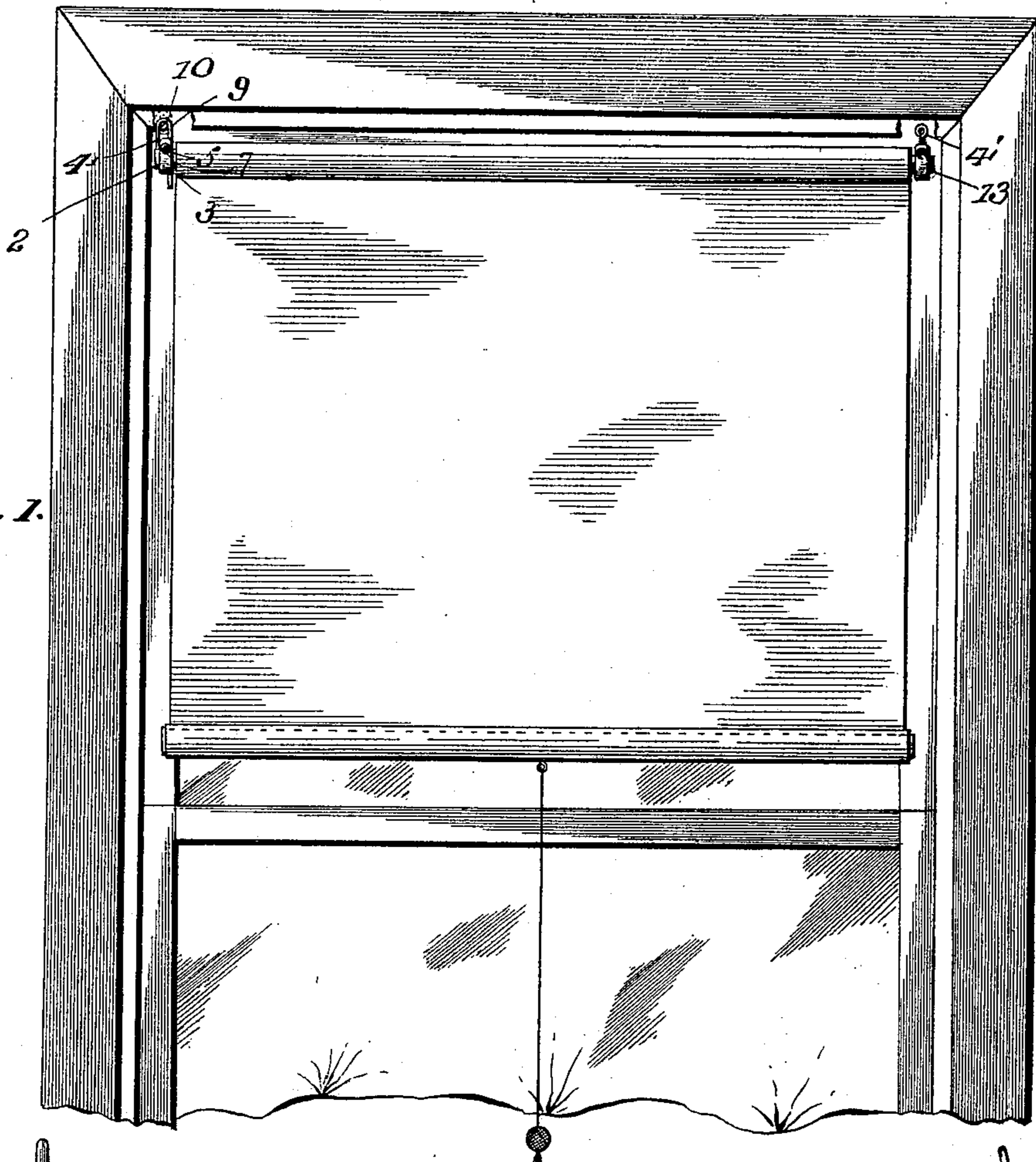


Fig. 2.

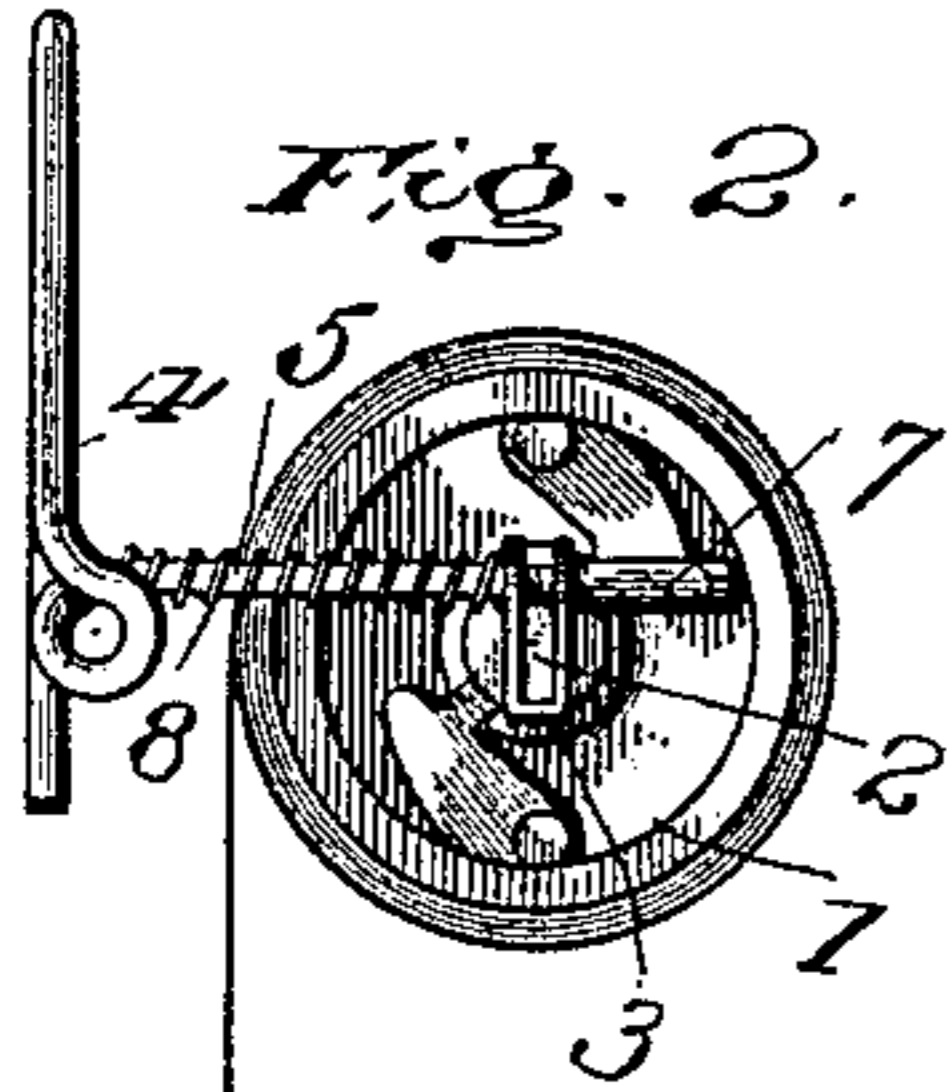


Fig. 3.

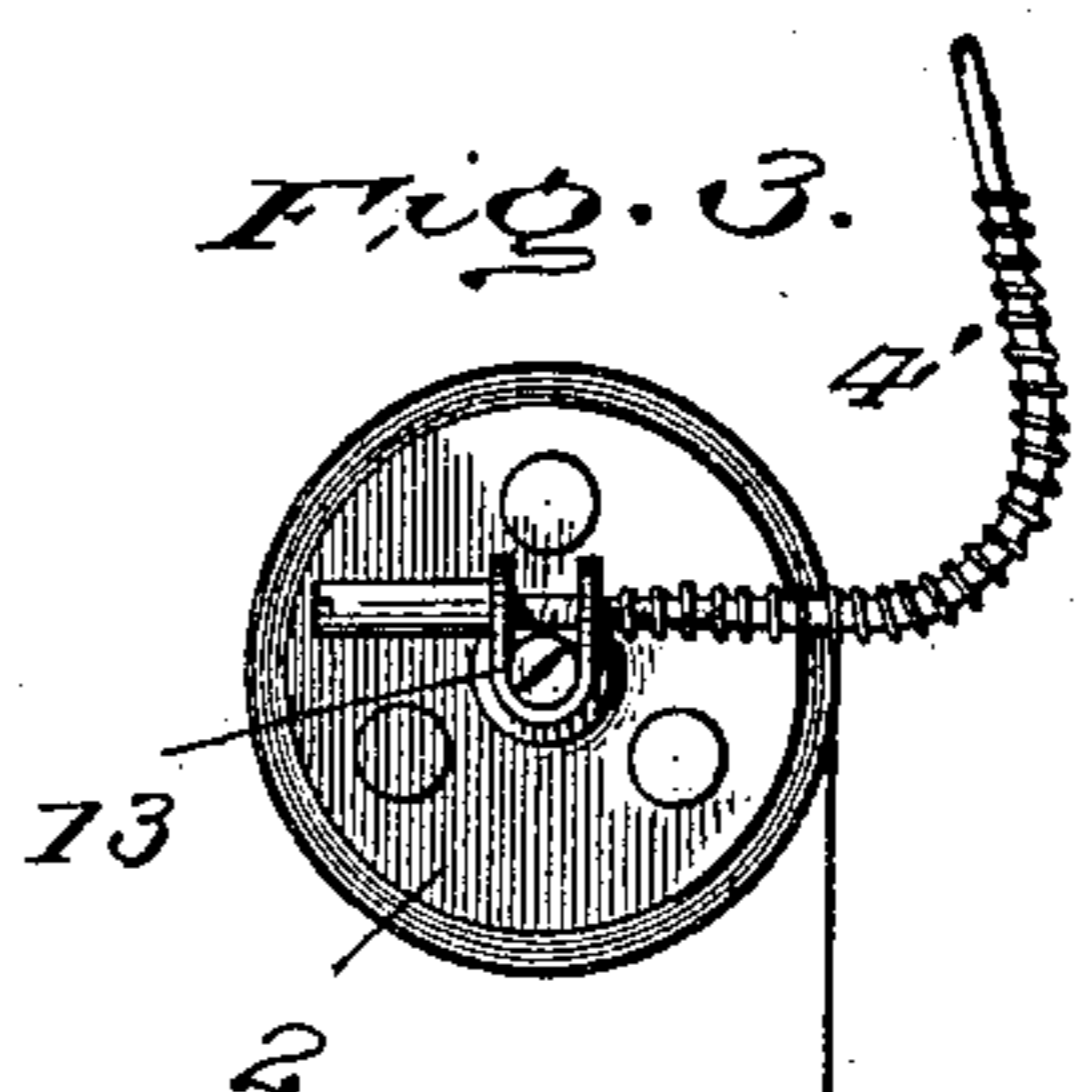
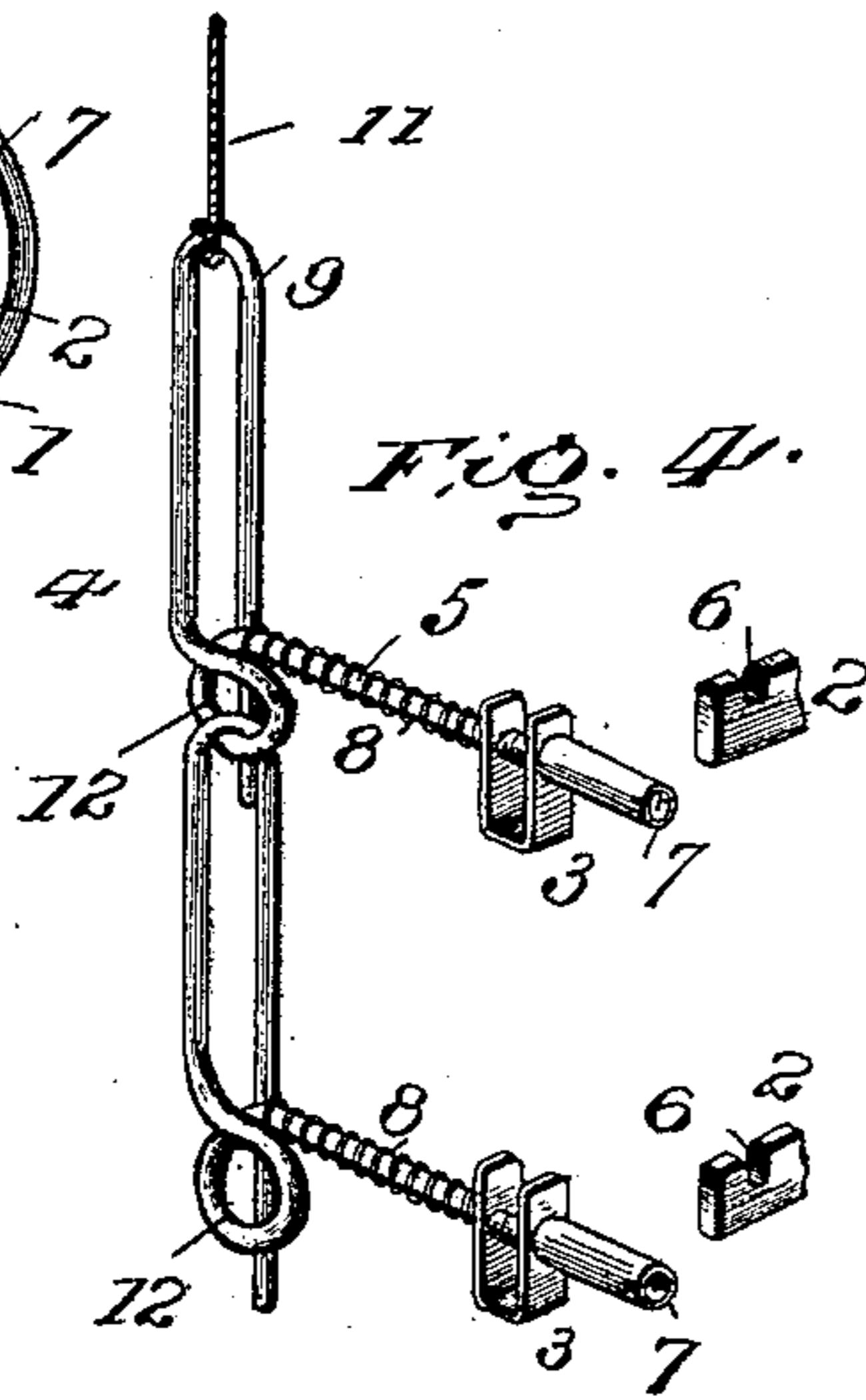


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

SAMUEL GRAY, OF HARRISBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF
TO CHERRICK WESTBROOK, JR., OF SAME PLACE.

SHADE-HANGER.

SPECIFICATION forming part of Letters Patent No. 620,301, dated February 28, 1899.

Application filed March 5, 1898. Serial No. 672,775. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL GRAY, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented a certain new and useful Improvement in Shade-Hangers, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in shade-hangers belonging more particularly to that class in which spring-rollers are hung, although they may be employed with other than spring-rollers; and the object of the invention is to provide hangers that will be cheaply made, convenient in use, and not likely to get out of order.

To these ends the invention consists in the peculiar arrangement, construction, and combinations of parts hereinafter described, and then definitely claimed at the end hereof.

In the accompanying drawings, Figure 1 is a front view of part of a window provided with my improvement. Fig. 2 is a side view of the hanger on the spring-pivot end of the roller. Fig. 3 is a similar view of the hanger on the opposite end of the roller. Fig. 4 is a perspective view of two hangers connected and hung from a cord.

Referring now to the details of the drawings by numerals, 1 is the roller, provided with the spindle 2, connected with the usual spring (not shown) and having its end flattened to enter the U-shaped clip 3, suspended from a hanger 4, formed of wire bent as shown and having a horizontal arm 5, which passes through the clip 3 and into a notch 6 formed on the flattened end of the spindle 2. The end of this arm is threaded to receive an adjusting-nut 7, and on its inner end is a spiral spring 8, so that by turning the nut the position of the clip may be changed, as desired, to carry the shade-roller nearer to or farther from the window.

The vertical part of the hanger is formed into a loop 9, through which a screw 10 is passed to fasten it to a window-frame; but it may also be hung from a cord 11, as shown in Fig. 4. At the junction of the vertical and

horizontal parts an eye 12 is formed, from which may be suspended another similar hanger, as shown, to carry another shade, if desired. At the other end of the roller a hanger 4', of different form, is shown. This carries a spring, clip, and adjusting-nut like those at the other end of the roller; but in this case the pivot is a common screw 13, which is screwed fast in the roller and revolves in the clip. Instead of the hanger 4' one like that indicated by the reference-numeral 4 may be employed at this end of the roller also.

With the construction above set forth the hangers may be used in a variety of ways, as they may be hung from cords at any desired height or may be rigidly attached to the frame in different positions, as indicated by dotted lines in Fig. 1, or they may be semirigidly fastened by omitting to screw the screws 10 tight against the hangers.

What I claim as new is—

1. The combination of a pivot for a shade-holder, with a hanger for the same provided with a substantially horizontal arm, a vertical loop, and a U-shaped clip having holes parallel to the horizontal arm and movable thereon and having a bearing for the pivot, substantially as described.

2. The combination of a pivot for a shade-roller, with a hanger therefor having a threaded arm, a clip for supporting said pivot mounted on said arm, a spring on one side of the clip, and an adjusting-nut on the other, substantially as described.

3. The shade-hanger herein shown, comprising a loop 9, a substantially horizontal arm 5, an eye to receive a second hanger, a clip 3 on said arm 5, a nut on one side of said clip, and a spring on the other, all substantially as described.

In testimony whereof I affix my signature, in the presence of two witnesses, this 2d day of March, 1898.

SAMUEL GRAY.

Witnesses:

CHAS. H. HOLLINGER,
FREDERICK M. OTT.