

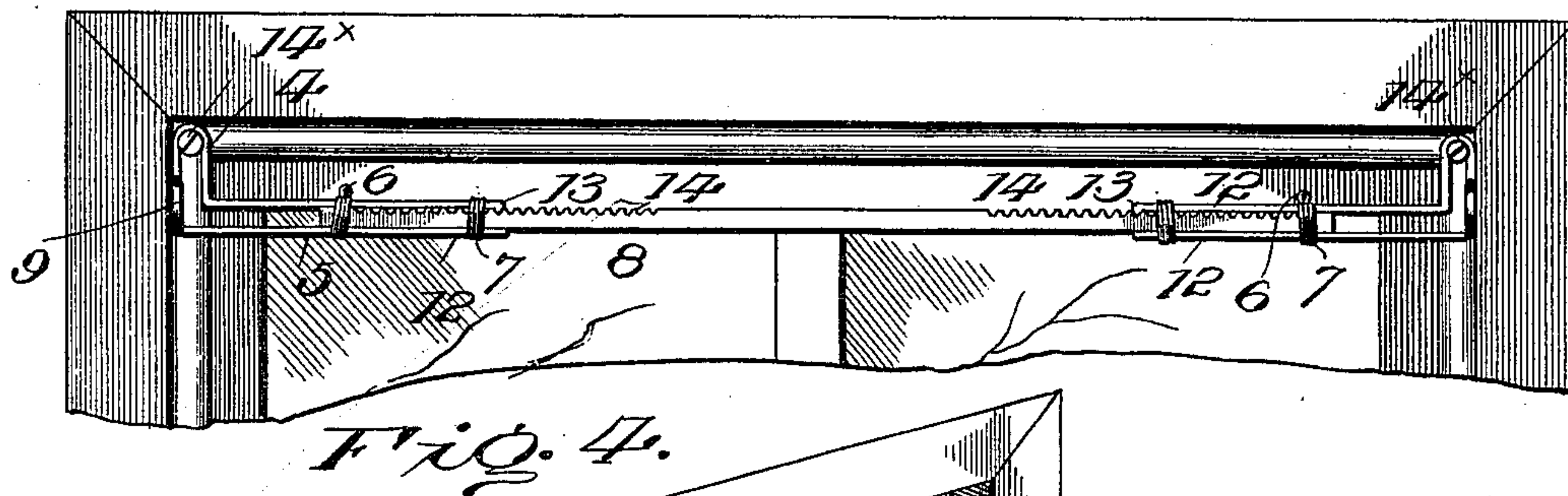
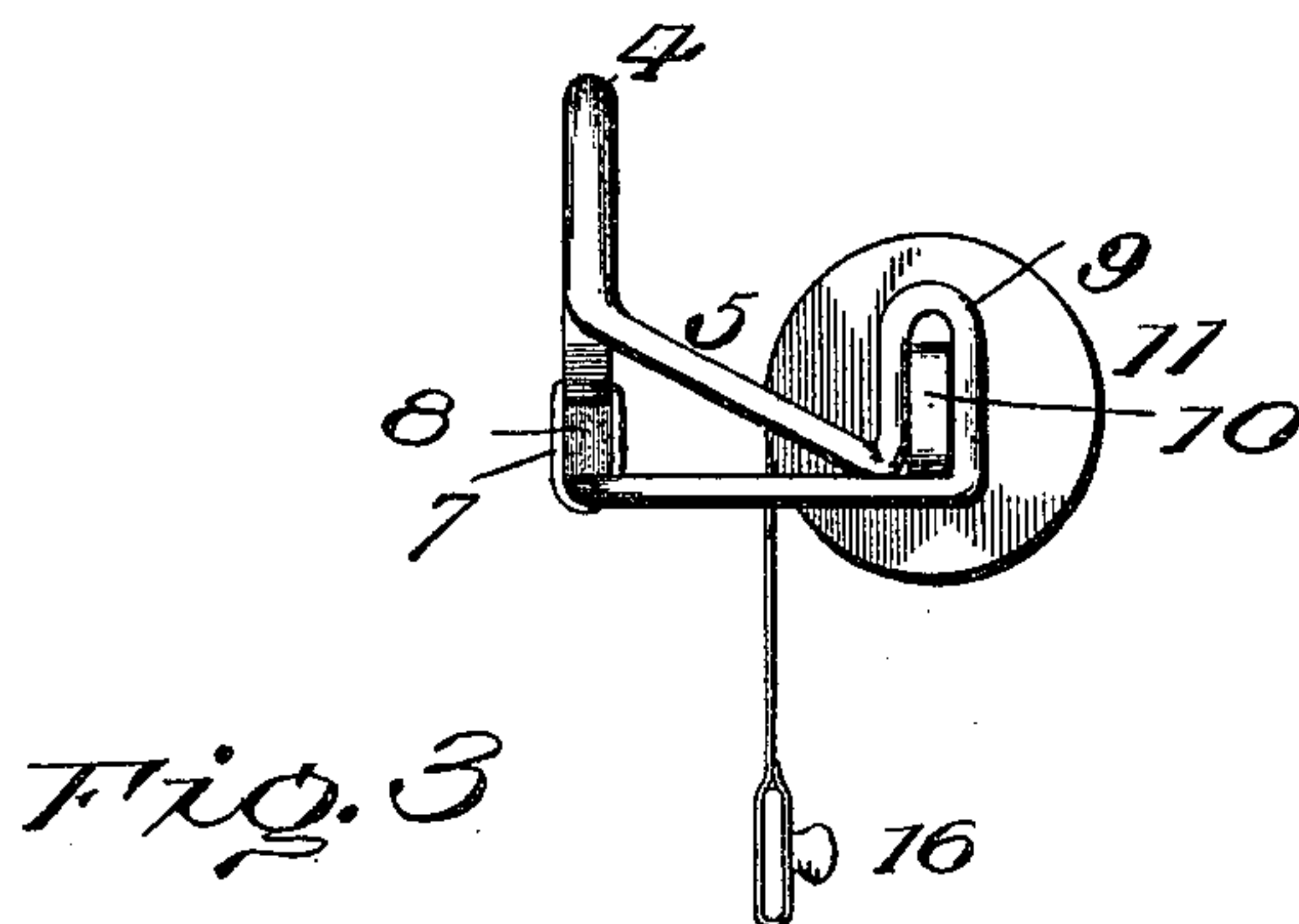
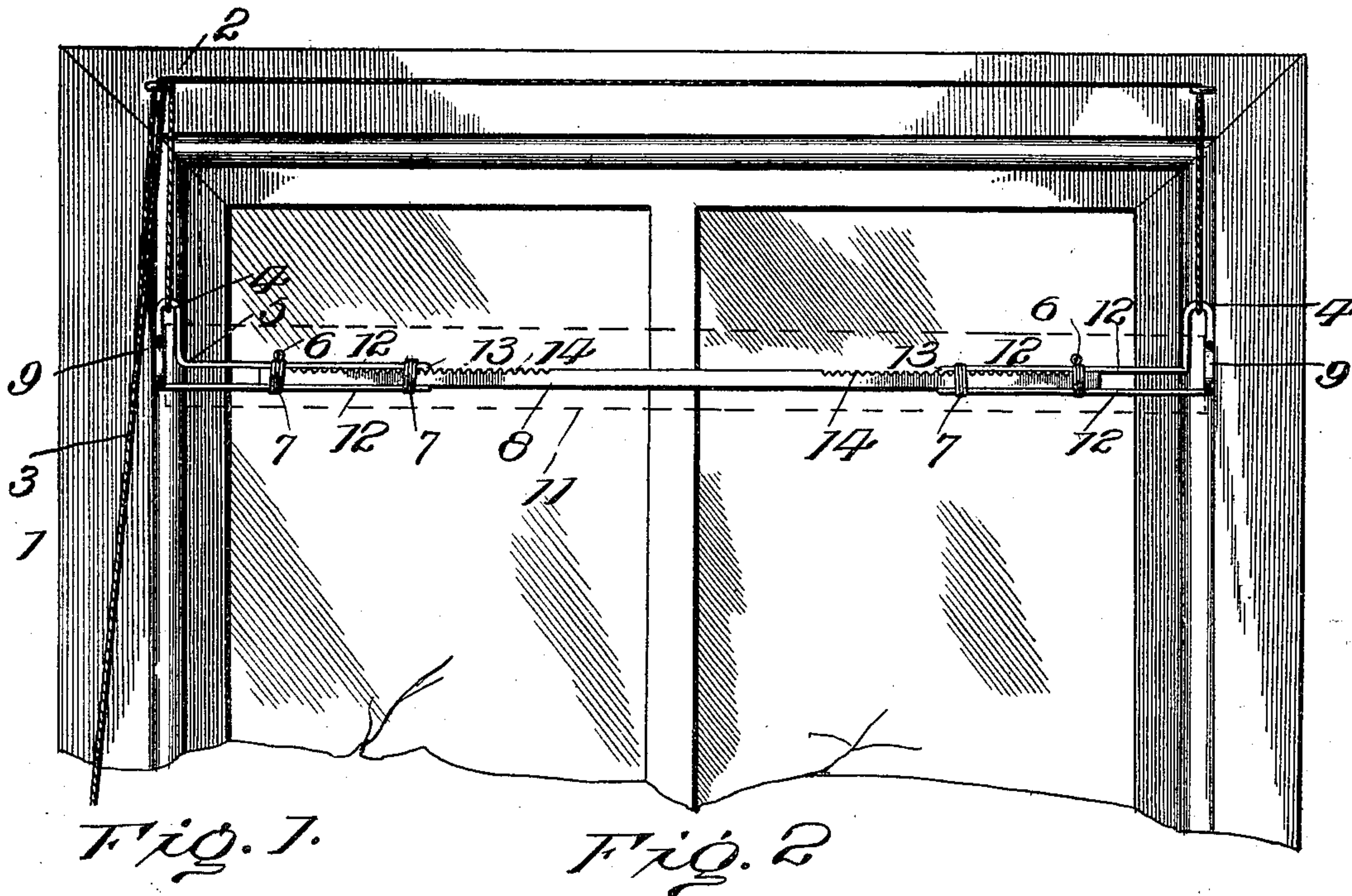
No. 639,895.

Patented Dec. 26, 1899.

S. GRAY.
SHADE HANGER.

(Application filed Mar. 7, 1899.)

(No Model.)



Witnesses
Jno. M. M.
Emm. Messer.

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Samuel Gray
By *T. W. Robertson*

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. 639,895, dated December 26, 1899.

Application filed March 7, 1899. Serial No. 708,136. (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 improvement is designed to provide a shade-hanger of that class which is intended to be either hung from cords or to be fixedly secured to a frame.

The object of the invention is to provide such a shade-hanger that will be cheaply made, readily adjustable, easily secured in position, convenient in use, and not likely to get out of order.

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

In the accompanying drawings, Figure 1 is an elevation of part of a window with my hanger attached and hung from cords. Fig. 2 is an end view of the same with roller and shade in position. Fig. 3 shows the same hanger fixedly secured to the frame by wood-screws. Fig. 4 shows another form of attachment.

Referring now to the details of the drawings by numerals, 1 represents the window-frame provided with screw-eyes 2, through which pass cords 3, running down to the hanger and through the upper loops 4 of the brackets 5 or to the eyes 6 of the binders 7, holding the brackets to the extension rod or bar 8. These brackets are preferably formed of half-round wire and bent, as shown, to form the before-mentioned loops 4 and also loops 9, which are to receive the pivots 10 of the shade-roller 11. The ends of the wire extend laterally above and below the extension-rod 8, thus forming jaws 12, and one of the jaws is preferably provided with a tooth 13, adapted to engage in a series of notches 14, formed on said extension-rod.

The binders 7 are formed of half-round wire bent spirally around the ends 12 and may be either formed with or without the eyes 6, as desired.

From this description and the appended drawings it will be seen that this hanger can readily be extended to any desirable length by simply sliding the binders back to the loops

on the bracket, when the rod 8 can be pushed in either direction to shorten or lengthen the space between the brackets, according to the length of the roller to be used. When the proper adjustment has been made and the pivots of the roller set in the loops, the binders are pushed back to their normal position, and then the shade is ready to be hung by tying the cords to the loops 4 or the eyes 6 of the binders, or to be fixedly secured to the frame by screws 14, passed through the loops 4 and into the window-frame 1.

Instead of screws screw-eyes 15 (see Fig. 4) may be used, which when they are in a vertical position will allow the loops 4 to slip over them and when turned at right angles will secure the brackets fixedly to the frame. These can be used in conjunction with the cords, so that the hanger can be held fixedly when desired or raised and lowered at will.

I prefer to attach a knob 16 to the lower end of the shade, as this prevents the latter from winding over the top of the roller, and thus the spring of the roller is prevented from becoming unwound.

Although I show a series of notches on the rods 8, it is evident that these may be dispensed with by suitably proportioning the size of the rod to the opening between the jaws and making the binders of such a size as to firmly hold the jaws on the rod; but I prefer to use the notches in the rod, as the fitting of the parts need not be so accurate.

It is evident that in some cases one adjustable and one fixed bracket may be used, as for most purposes sufficient range of adjustment may be had without making both brackets adjustable.

What I claim as new is—

The combination in a shade-hanger, of a notched rod 8, brackets 5 at each end thereof, provided with openings to receive a roller-pivot, and the means of attachment, and having jaws 12 one of which is provided with a tooth 13 to engage in the notches of the rod, and binders 7 for clamping the jaws upon the rod, substantially as described and shown.

In testimony whereof I affix my signature, in the presence of two witnesses, this 25th day of February, 1899.

SAMUEL GRAY.

Witnesses:

FREDERICK M. OTT,
CASPER S. BIGLER.