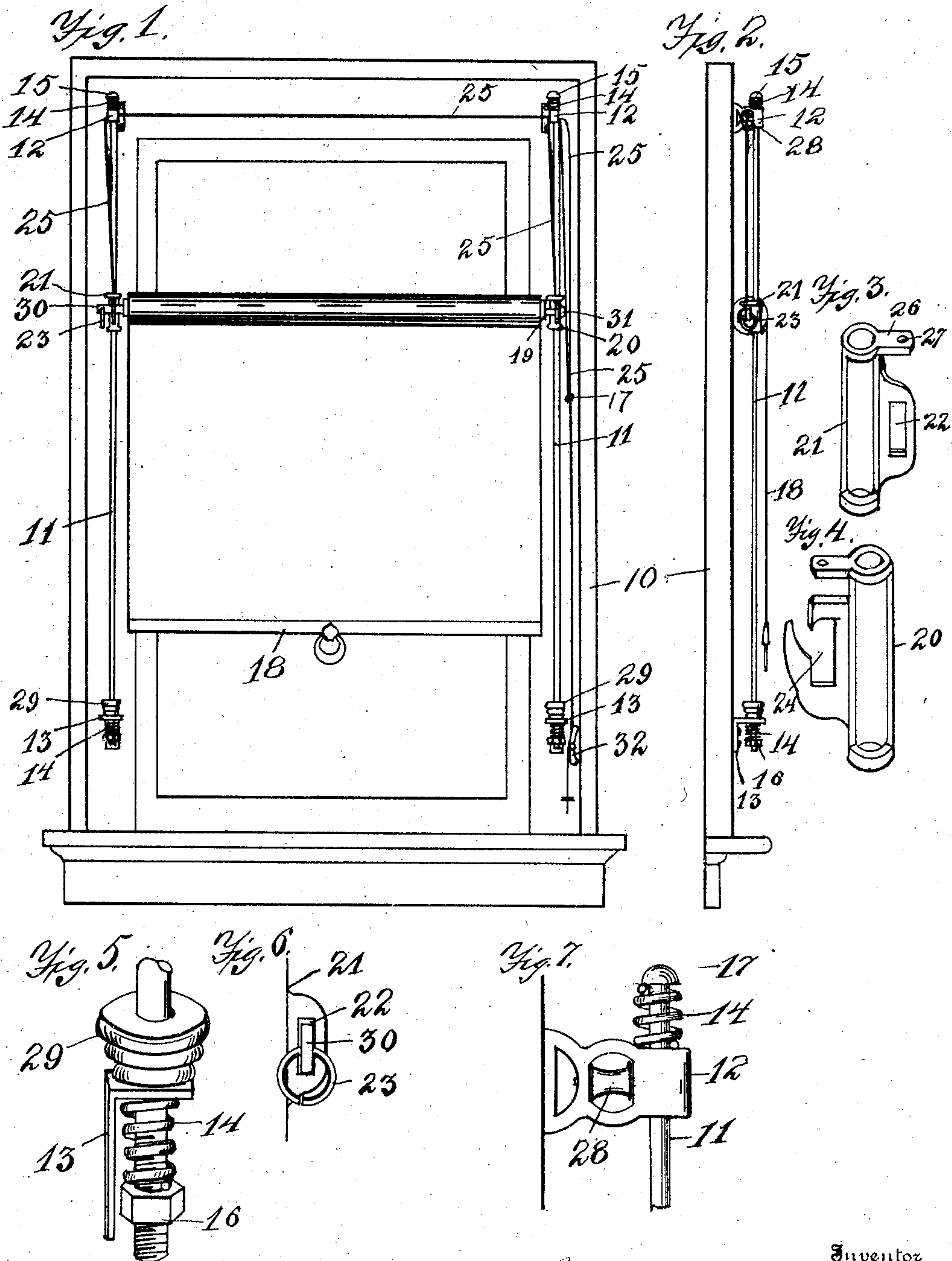


No. 778,079.

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I. S. SHERWIN.
WINDOW SHADE HOLDER.
APPLICATION FILED AUG. 11, 1904.

NO MODEL.



Witnesses
F. D. Baldwin.
W. W. Richardson

Inventor
Isaac S. Sherwin
By
S. Arthur Baldwin.
Attorney

UNITED STATES PATENT OFFICE.

ISAAC S. SHERWIN, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO FRANK C. BRITTING, OF PITTSBURG, PENNSYLVANIA.

WINDOW-SHADE HOLDER.

SPECIFICATION forming part of Letters Patent No. 778,079, dated December 20, 1904.

Application filed August 11, 1904. Serial No. 220,355.

To all whom it may concern:

Be it known that I, ISAAC S. SHERWIN, a citizen of the United States, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Window-Shade Holders, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

10 The invention relates to devices for adjustably supporting both the window-shade and the shade-roller at different elevations on the window-frame so that the roller and shade may be adjusted at any desired height as to
15 the window, and the admission of light may thus be perfectly controlled. For instance, it is often desirable to admit the light from the top of the frame and to cut it off from the lower part. This has usually been attained by
20 hanging two window-shades on rollers at the top and bottom of the window-frame so that one could be pulled down and the other could be pulled up. Means of adjustment for the shade at any desired elevation attains this ob-
25 ject with one window-shade; and the objects of my improvement are, first, to provide resiliently-mounted side rods for supporting the shade, which overcome all rattling and cushion, as it were, the action of the parts, so that it is
30 far more agreeable to the user, and, second, it consists in the construction, arrangement, and combination of the several parts, substantially as hereinafter described and claimed.

35 In the drawings, Figure 1 is a front elevation of a window-frame provided with my improved window-shade holder supporting a shade and roller midway on the frame. Fig. 2 is a side elevation of the same. Figs. 3 and 4 show perspective detail views of the sliding
40 brackets for supporting the shade-roller on the side rods. Fig. 5 is an enlarged perspective view of the lower end of the guide-rod and the bracket therefor, showing the corrugated rubber buffer on the rod. Fig. 6 is a detail of the manner of locking the spur in the
45 end of the shade-roller. Fig. 7 is a detail view of the upper bracket, showing the upper end of the resiliently-held guide-rod.

Similar numerals refer to corresponding parts in the several views.

50 The numeral 10 indicates the window-frame, upon which my shade-roller-supporting rods 11 are attached at each side in suitable brackets 12 at the top and 13 at the bottom. Rod 11 is resiliently held, by means of a coiled
55 spring 14, outside of the fixtures 12 and 13 at each end of the rod, which arrangement does away with a large share of the rattling and other objectionable features of the fixed rod, such as the thumb-nut for securing the rod in
60 the bracket, which continually works loose.

The metal rod 11 is provided with a head 15 at one end and an adjusting-nut and thread 16 at the other end, so that the movement of the springs 14 can be restricted sufficient to
65 hold the rod taut.

The shade 18 is supported on spring-roller 19 on fixtures 20 and 21, which fixtures are formed as shown in Figs. 3 and 4 and slidably mounted on rod 11 to work easily thereon.
70 Fixture 21 is made with a closed opening 22, through which the squared spur 30 on the end of the spring-roller is inserted, and a locking-ring 23 is inserted through a hole in the end of spur 30 to lock the shade-roller, so that it
75 cannot escape endwise from fixture 21. Fixture 20 has an open slot 24 for the opposite end 31 of the shade-roller, the end of the spur 31 being headed, so as to lock the same against
80 endwise motion in fixture 20, which arrangement, in conjunction with the locked spur 30 by split ring 23, keeps the roller from escaping from the sliding brackets 20 and 21.

85 An elevating-cord 25 is attached to a lug 26 through a suitable hole 27 on each of the upper ends of the brackets 20 and 21. Cord 25 is carried upward to brackets 12 and works over rollers 28, which are mounted in brackets 12, the rollers 28 being made long enough to
90 allow of two cords working together over the same. The elevating-cord from the bracket 21 is carried first over the roller in its bracket 12 and then across to the opposite bracket 12 and passes over the roller 28 therein in
95 conjunction with the cord 25 from the bracket 20. The cords are then united by a suitable

knot 17 with a single pull-cord, which is carried to the bottom of the window-frame and by means of a simple clamp 32 or other locking means is secured to the frame.

- 5 Rubber buffers 29 are provided on rods 11 above brackets 13 to receive sliding brackets 20 and 21 as they descend on rods or cords 11. I prefer to make rubber buffers 29 in the corrugated form shown, since they better receive
10 and hold the weight of the sliding brackets and shade-roller in case of the same coming loose and being allowed to drop.

It is apparent that my resiliently-held rods can be attached to the inner side of the window-casing by means of brackets 12 and 13,
15 which are suitably formed for attaching to the inner side of the casing.

I claim as new—

- 20 1. A window-shade holder consisting of vertical guide-rods and means for resiliently supporting said rods, brackets suitable to receive a window-shade roller slidably mounted on said rods, and means for operating said sliding brackets.

- 25 2. A window-shade holder consisting of a vertical guide-rod mounted in suitable brackets each side of the window, coiled springs on said rods to resiliently hold the same, brackets suitable to receive a shade-roller slidably
30 mounted on said rods, and means for raising and lowering said sliding brackets.

3. A window-shade holder consisting of vertical guide-rods mounted in brackets each side

of the window, coiled springs on said rods above the upper bracket and below the lower 35 bracket, said rods headed at one end and provided with a thread and nut at the other to restrict said springs, and brackets slidably mounted on said rods to support the shade-roller. 40

4. A window-shade holder consisting of vertical guide-rods 11 mounted in brackets 12 and 13 each side of the window, coiled springs 14 on rods 11 above brackets 12 and below brackets 13, a head 15 and a thread and nut 16 on said 45 rods to adjust the pressure of said springs, brackets 20 and 21 slidably mounted on rods 11 and having closed slot 22 and open slot 24 therein, cord 25 attached to brackets 20 and 21 and working over pulleys 28 in brackets 12 50 to raise and lower said sliding brackets, a shade-roller 19 having a headed spur 31 in one end to engage open slot 24 in bracket 20 and a straight spur 30 to enter closed slot 22 in bracket 21, means for locking spur 30 outside 55 of slot 22 and rubber buffers 29 on rods 11 on bracket 13 for the sliding brackets, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two sub- 60 scribing witnesses.

ISAAC S. SHERWIN.

Witnesses:

S. A. BALDWIN,
F. E. BALDWIN.