

Oct. 7, 1930.

S. E. SNYDER

1,777,811

WINDOW SHADE SUPPORT

Filed Jan. 10, 1928

2 Sheets-Sheet 1

FIG. 1.

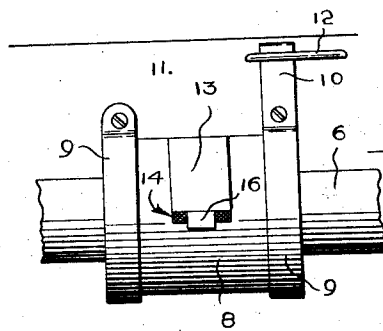
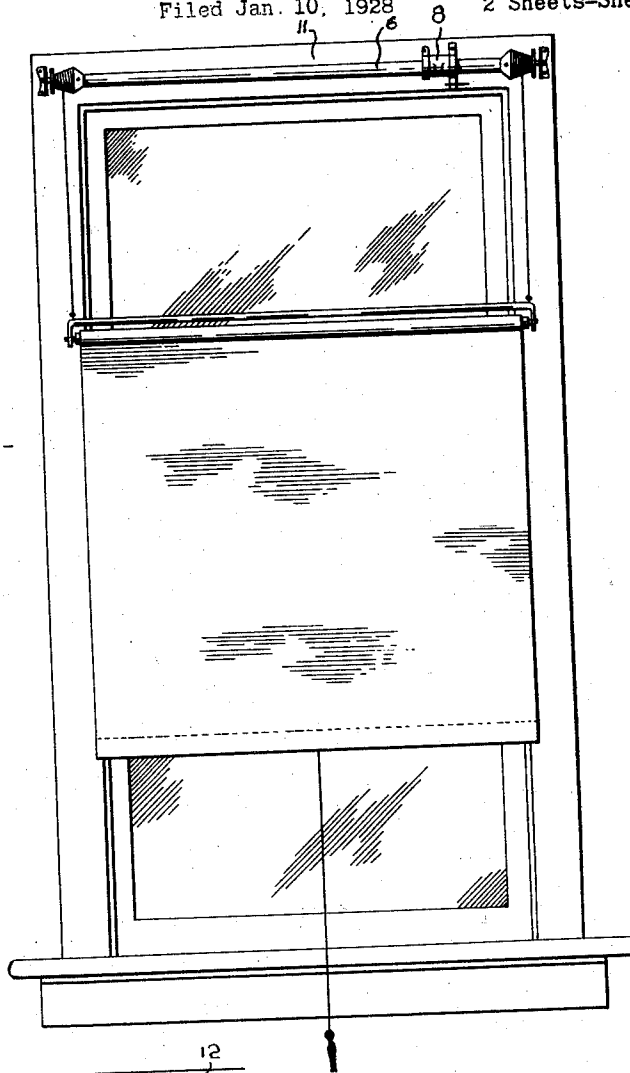


FIG. 5.

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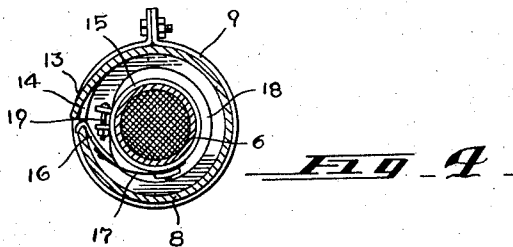
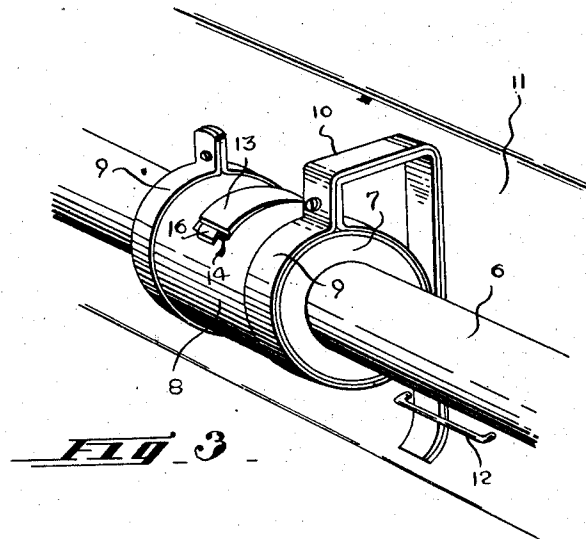
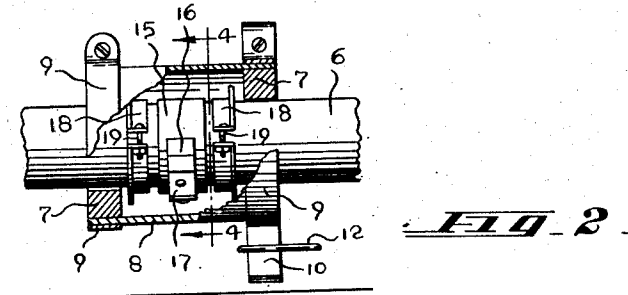
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2 Sheets-Sheet 2



INVENTOR

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UNITED STATES PATENT OFFICE

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WINDOW-SHADE SUPPORT

Application filed January 10, 1928. Serial No. 245,737.

This invention relates to new and useful improvements in window shades and more particularly to an attachment for governing the rotation of the supporting roller thereof.

5 An object of this invention is to provide a device of the character described, which, when attached to the conventional type of spring roller will serve to govern the rotation of the roller when winding the shade sus-
10 pending means thereon.

Another object of this invention is to provide a device of the character described, which will allow free unwinding of the shade sus-
15 pending means.

20 Other objects and many of the attendant advantages will be readily appreciated as the invention becomes better understood from a consideration of the illustrative embodiments of the same and for which purpose such descriptive drawings have been hereto appended, wherein:

Fig. 1 is an elevation of a window and shade, having the invention attached thereto.

25 Fig. 2 is a fragmentary-sectional view of the device.

Fig. 3 is a perspective view of this inven-
30 tion.

Fig. 4 is a section on the plane of line 4—4 Fig. 2, looking in the direction indicated.

35 Fig. 5 is an elevation of a further form of the invention.

Referring more in detail to the drawings in which similar reference numerals designate corresponding parts throughout the several views.

40 It will be seen that the device comprising this invention is mounted around the conventional type of spring roller 6 and consists of the collars 7 over which tube 8 is mounted and secured by clamps 9 in such a manner that collars 7 constitute ends for the tube 8. One of the clamps 9 is provided with an arm 10 of resilient material, which arm is deflected to lie adjacent the window-moulding 11 and be secured thereto by a staple 12 of
45 sufficiently greater width to permit endwise movement of the arm 10 therein thereby allowing for the end play of the roller. A tongue 13 is punched outwardly from the tube

8 intermediate the ends thereof, in a manner to constitute a fissure 14.

A collar 15 is mounted around the spring roller 6 within the tube 8 in frictional contact therewith, and a hook 16 is connected thereto
55 and caused to outstand therefrom by spring 17. This collar 15 is positioned intermediate the ends of tube 8 in such a manner that the hook 16 lies in adjacent relation to the fissure 14 and is retained in such position by guide-
60 collars 18 rigidly clamped to roller 6 by screws 19.

In operation it will be seen that the tube 8 and collars 7 are held in fixed relation to the window-moulding 11 with the spring roller
65 6 extending therethrough. As the shade suspending means is unwound from the roller 6 causing its rotation, the tight-fitting collar 15 also rotates with its attached hook 16 in such a direction that the hook will not engage
70 with the fissure 14, but when the shade suspending means is being wound upon the roller 6 by a reverse motion of the latter, then the hook will engage in the fissure 14 in a
75 manner to hold the collar 15 rigid to the stationary tube 8, when the collar will frictionally steady the rotation of the roller and thereby serve as a governor.

It will be obvious from the foregoing description that this invention is a great im-
80 provement in controlling means for window shades and while the preferred embodiments have been disclosed, yet it is to be understood that minor changes in the details of construction and combination may be resorted to
85 within the scope of what is claimed without departing from the spirit of the invention.

What I claim:

1. In combination with a spring roller for window shades, a governor comprising a tube
90 loosely mounted on said roller in spaced relation thereto, an arm extending from said tube having connection with the window moulding, a tongue punched outwardly from said
95 tube intermediate its ends forming a fissure, a collar mounted on said roller within said tube having frictional contact with said roller, a hook, and a spring connecting said hook with said collar forcing said hook outwardly, 100

whereby it will engage in the fissure when rotated in one direction.

2. In combination with a spring roller for window shades, a governor comprising a tube loosely mounted on said roller in spaced relation thereto, an arm extending from said tube having connection with the window moulding, a tongue punched outwardly from said tube intermediate its ends forming a fissure, a collar mounted on said roller within said tube having frictional contact with said roller, a hook, a spring connecting said hook with said collar forcing said hook outwardly, whereby it will engage in the fissure when rotated in one direction, and guide-collars fixedly mounted on said roller, adapted to retain said collar centrally of said tube.

In testimony whereof I affix my signature.
SAMUEL E. SNYDER.

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