

F. E. SIRCOLOMB.
CURTAIN OR SHADE FIXTURE.

(Application filed Oct. 16, 1901.)

(No Model.)

Fig. 1.

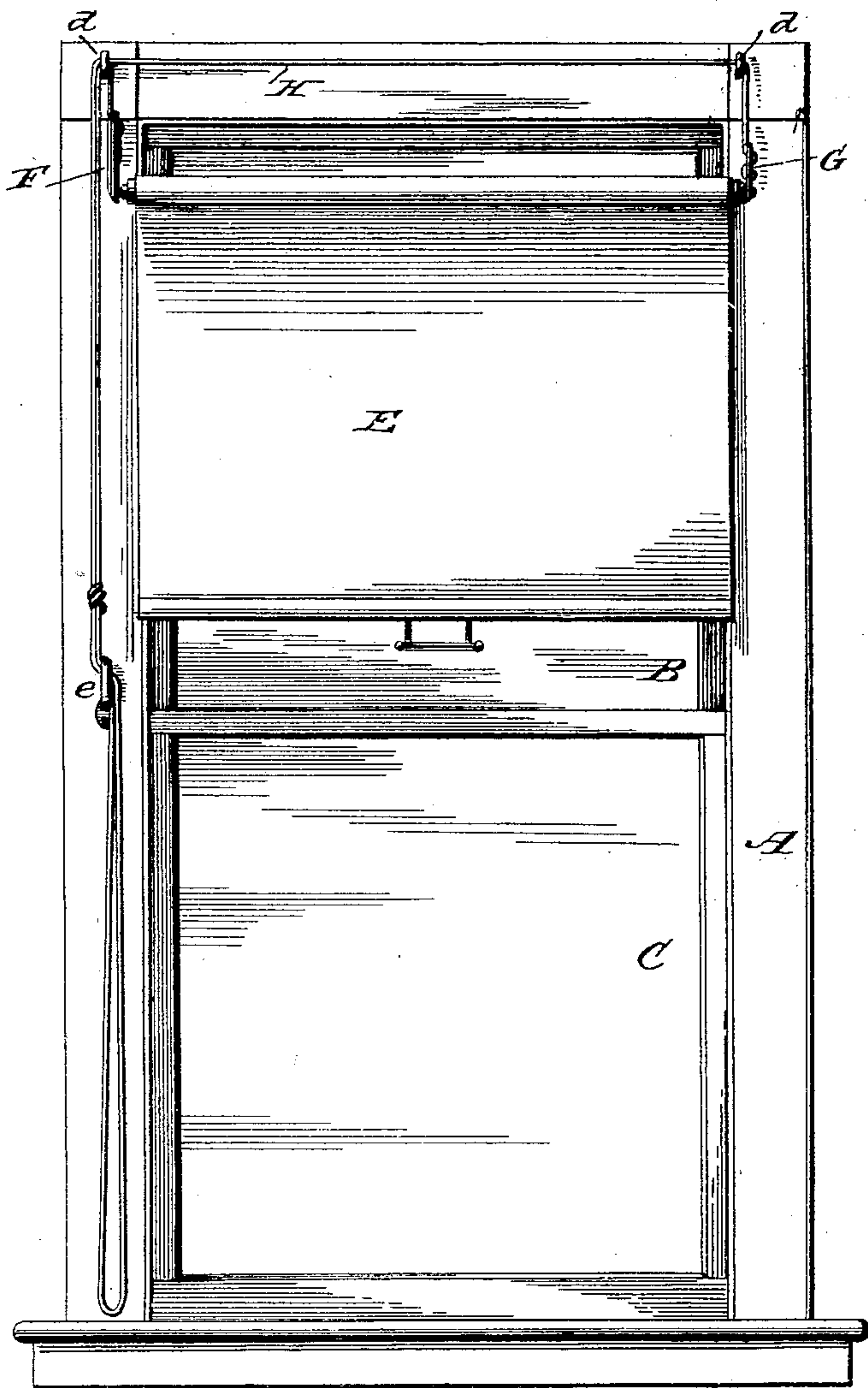


Fig. 2.



Fig. 3.



Fig. 4.

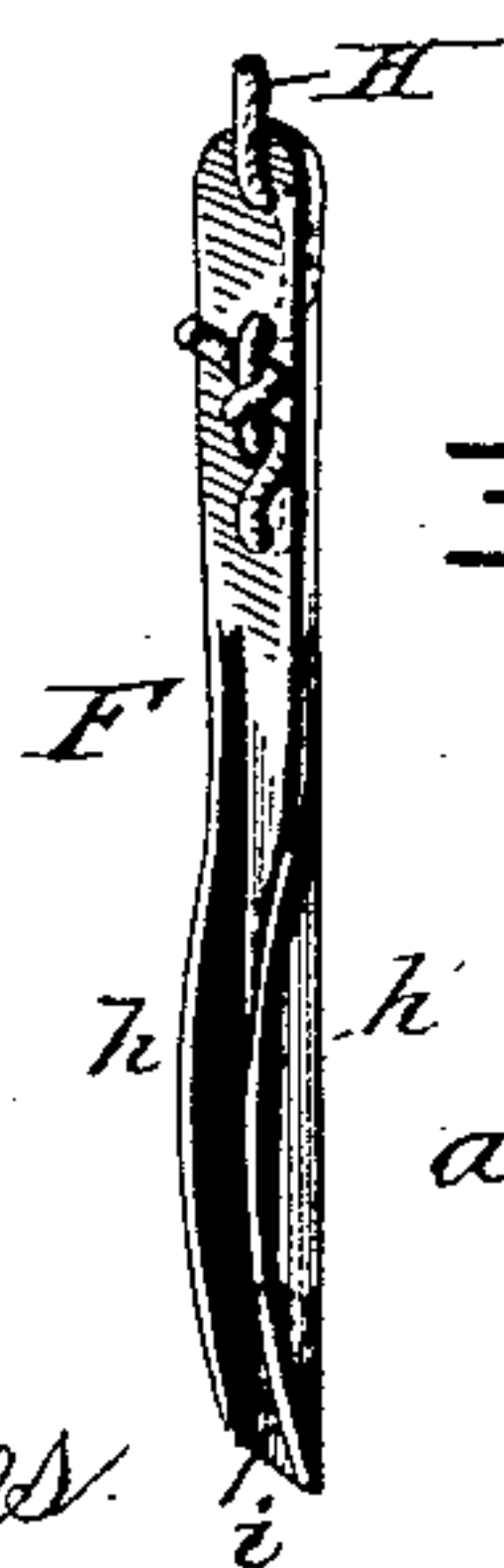


Fig. 5.

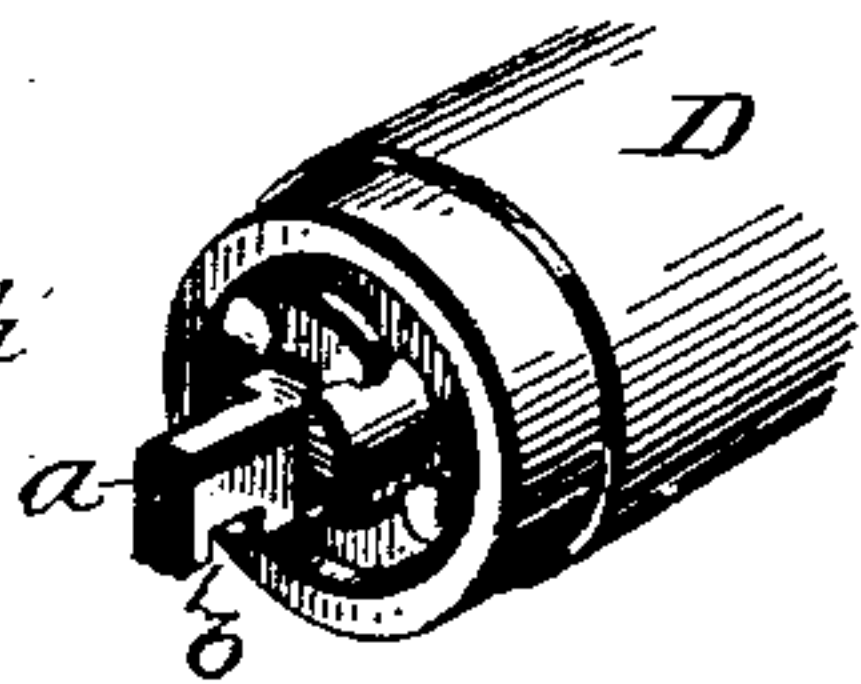


Fig. 6.

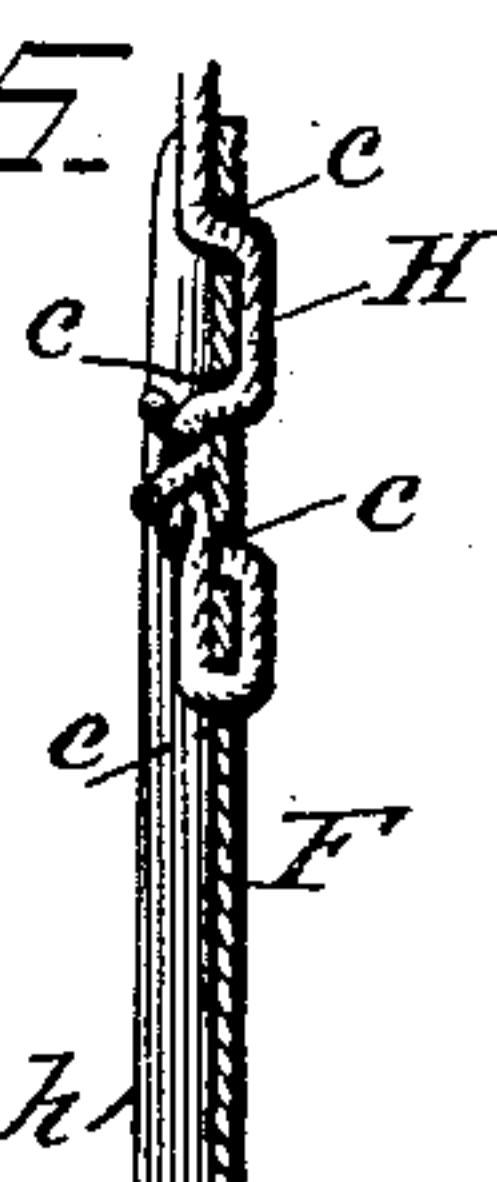


Fig. 7.

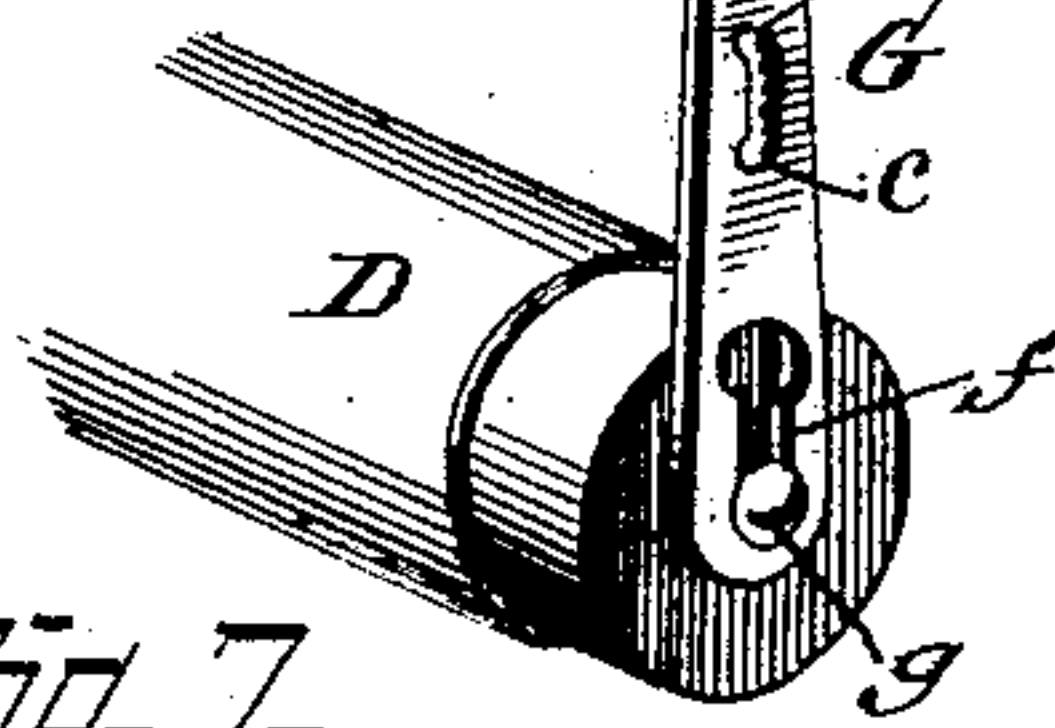


Fig. 8.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK EDWIN SIRCOLOMB, OF DENVER, COLORADO.

CURTAIN OR SHADE FIXTURE.

SPECIFICATION forming part of Letters Patent No. 702,827, dated June 17, 1902.

Application filed October 16, 1901. Serial No. 78,809. (No model.)

To all whom it may concern:

Be it known that I, FRANK EDWIN SIRCOLOMB, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Curtain or Shade Fixtures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has relation to that class of window shade or curtain fixtures wherein the roller carrying the shade or curtain is adapted to be moved up or down with relation to the window-casing, so that the light may be admitted above or below the shade or curtain.

The invention consists in the several details of construction, substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a front elevation of a window frame and sashes, showing the application of my invention thereto; Fig. 2, a detail perspective view, on an enlarged scale, of the hanger to which one end of the roller is connected; Fig. 3, a modification thereof; Fig. 4, a detail perspective view of one end of the spring-roller; Fig. 5, a detail sectional view of Fig. 2, showing the end of the spring-roller connected thereto; Fig. 6, a detail perspective view showing the hanger used to support the opposite end of the roller, the end of the roller and hanger being shown as connected to each other; Fig. 7, a detail sectional view taken on line 7 7 of Fig. 5 of the drawings. Fig. 8 is a detail perspective view of the hook for securing the curtain or shade cord thereto and showing the hook connected to a portion of the window-frame.

In the accompanying drawings, A represents the usual window-frame, and B C the upper and lower sashes, respectively, the ordinary spring-roller being indicated at D and the curtain or shade at E, all of which are of the ordinary construction. The central shaft, which extends through the roller D, is provided with the usual flat projecting end *a* with notch *b*, as shown more clearly in Fig. 4 of the drawings. Any form of roller may

be substituted for that shown, and any of the usual forms of spring-rollers may be employed, as found best adapted to the purpose. The roller D is suspended by means of two hangers F G, which are independent of the window-frame, so that the roller, with its shade or curtain, may be raised and lowered, as circumstances require. These hangers F G are provided with four holes *c* for the convenience of attaching thereto the ends of a cord H by inserting the ends of the cord in the holes and tying, as shown. The four holes materially facilitate the fastening of the ends of the cord and the hangers together and prevent the possibility of the cord being accidentally detached. The cord H after being secured to the hangers extends through suitable pulleys or eyes *d*, or any other suitable guides for the cord may be employed, this being immaterial to the successful operation of my invention, and therefore any means may be devised for suspending the cord from the window-frame and guiding it in its movement. After the roller, with its curtain or shade, has been adjusted to the proper height by means of the cord said cord is held stationary by engaging it with a suitable device or hook *e* on the window-frame, as shown in Fig. 1 of the drawings.

The hanger G has a keyhole-formed slot *f* for engaging with a pin or screw *g* upon the end of the roller D, as shown in Fig. 6 of the drawings, thereby locking the roller in engagement with the hanger.

The hanger F, unlike the hanger G, has spring locking-flanges *h*, which may extend the entire length of the hanger, as shown in Fig. 2 of the drawings, or a portion of the way only, as shown in Fig. 3 of the drawings. This hanger F not only has the spring-flanges *h*, but is formed at its lower end with a slot *i* of a length substantially equal to the width of the projecting end *a* of the roller-shaft, so that the lower edge of the slot will engage the notch *b*, as shown in Fig. 5 of the drawings, thereby locking the roller in engagement with the hanger. The spring-flanges *h* bind with frictional contact against the projecting end *a* of the roller D, as shown in Fig. 7 of the drawings, thereby providing additional means for holding the roller in engagement with the hanger, thus securing every

advantage in the hanger to form a secure fastening between it and the roller and removing the possibility of the roller and hanger becoming accidentally disengaged from each
5 other.

The cord, as will be noticed, is doubled, so that it is substantially two cords, although of a single length, which greatly facilitates its attachment and renders it much simpler.

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

In a curtain or window-shade fixture, suitable hangers, a curtain or shade roller engag-

ing the hangers and a cord connecting there- 15
with, one of said hangers having spring locking-flanges on its side to bind against the flat projecting end of the roller to hold the roller in engagement with the hanger, substantially
as and for the purpose set forth. 20

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

F. EDWIN SIRCOLOMB.

Witnesses:

WALTER PEARL,
SAMUEL H. BOARDMAN.