H. SEEHAUSEN.

Curtain Roller and Bracket.

No. 196,994. Patented Nov. 13, 1877.

Fig: 1.

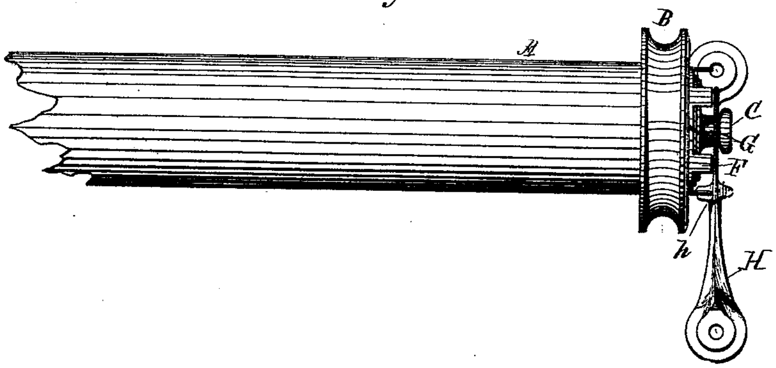


Fig: 2.

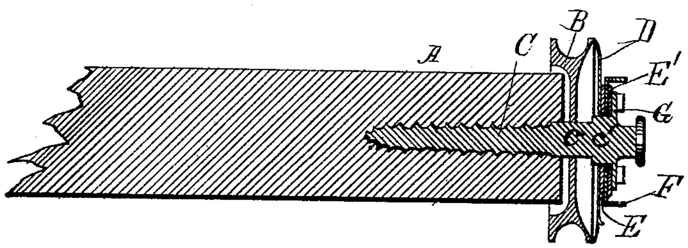
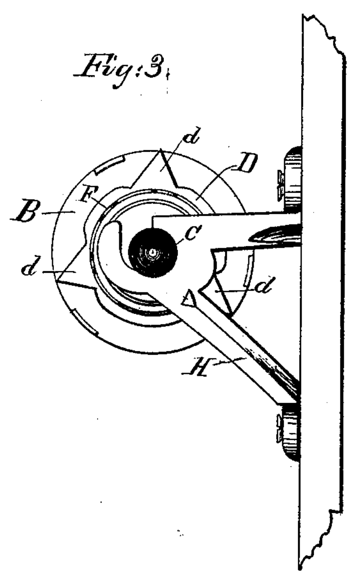


Fig: 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

HERMAN SEEHAUSEN, OF MEMPHIS, TENNESSEE, ASSIGNOR OF ONE-HALF HIS RIGHT TO GEORGE R. G. JONES, OF SAME PLACE.

IMPROVEMENT IN CURTAIN ROLLER AND BRACKET.

Specification forming part of Letters Patent No. **196,994**, dated November 13, 1877; application filed June 29, 1877.

To all whom it may concern:

Be it known that I, HERMAN SEEHAUSEN, of Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Curtain-Fixtures; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, and in which—

Figure 1 is a side view of my improved curtain-fixture. Fig. 2 is a longitudinal section of the same, and Fig. 3 is an end view thereof.

Corresponding parts in the several figures are denoted by like letters.

This invention relates to a certain improvement in that class of curtain-fixtures or rolls in which the accidental unrolling or falling of the curtain is prevented in the event of the breaking or slackening of the cord; and it consists, primarily, in the construction of the sheave-retaining screw; and, secondarily, of the combination therewith of its holding or retaining mechanism, substantially as hereinafter more fully set forth.

In the annexed drawing, A refers to an ordinary curtain-roll, upon one end of which is placed the sheave B, fastened thereto by a screw, C. The screw C is made square or angular at *c*, and passes through a similarly-shaped aperture in the sheave B, to cause the latter to revolve with the curtain-roll. The screw C is also formed at a point between its angular surface or bearing *c* and disk, hereinafter referred to, with an enlarged annular bearing-surface, *c'*, upon which is adjusted the sheave holding or retaining mechanism. D is a plate or spring, through which the screw C passes, and having radial arms *d d* bearing against the flange of the concaved or dished surface of the sheave B. Upon the screw C is also inserted, next to the spring D, a washer, E, and next to the latter the ratchet F, and between the said ratchet and a plate or disk, G, formed with the said screw, a second washer, E'. By means of the plate or disk G the ratchet F, with its washers E E', is confined in position against the pressure of the spring D.

Friction is produced by the pressure of the bowed plate or spring D upon the ratchet F, held between the separating-washers E E', one of which is confined against the ratchet by the disk or plate G, to hold the ratchet in contact with the detent or stud *h*, hereinafter more particularly referred to.

It will be seen that, when the pressure of the spring D and washers E E' upon the ratchet F is overcome, by drawing downwardly upon the curtain with sufficient force the roll will rotate independent of the ratchet, and still allow the ratchet to be engaged by its detent or stud *h*, which aids in preventing the further rotation of the roll after the release of the curtain from the hand.

The washers are preferably made of leather and the ratchet of sheet-brass, to obtain additional friction to overcome the weight of the curtain and at the same time reduce wear, &c.

It will also be seen that the screw C can be inserted and withdrawn by simply grasping and rotating the sheave B in the required direction, thus dispensing with a driver.

H is a bracket, of which there are two to a curtain-roll, and which receives the projecting portion or axis of the screw C. Cast with, or otherwise attached to, said bracket at a suitable point is a projection or stud, *h*, to engage the ratchet F, and prevent the rotation of the curtain-roll only when the cord is drawn.

It is obvious that the friction mechanism can be placed upon the other end of the curtain-roll instead of upon the end having the sheave over which the cord passes, and the same end be attained.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The screw C, having an angular bearing, *c*, internally to the cylindrical bearing *c'*, to receive the sheave B having a similar-shaped aperture, by which said screw can be driven into its roll, and the friction or retaining mechanism can be placed upon and removed from said screw.

2. The screw C, having a disk, G, cylindrical

or annular portion or bearing c', and angular portion c, in combination with a sheave, ratchet, and washers of a curtain-fixture, substantially as and for the purpose set forth.

3. In combination with devices for rolling and detaining the curtain, the screw C, having a disk, G, annular bearing c', and angular portion c, internally of its bearing, and all in one piece, substantially as and for the purpose set forth.

4. The screw C, having the annular shoulder c', angular portion c, and disk G, in combination with the sheave B, spring D, and washers or plates E F E′, substantially as and for the purpose specified.

5. The screw C, having an angular portion, c, in combination with sheave B, having a corresponding socket, and intervening friction or retaining mechanism, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

HERMAN SEEHAUSEN.

Witnesses:
L. BERENS, Jr.,
G. R. EGNEW.