

H. H. BURRITT.  
Curtain-Fixtures.

No. 145,785.

Patented Dec. 23, 1873.

Fig. 1.

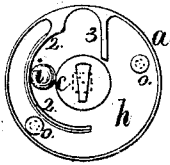


Fig. 2.

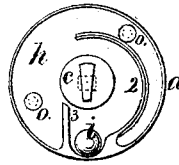
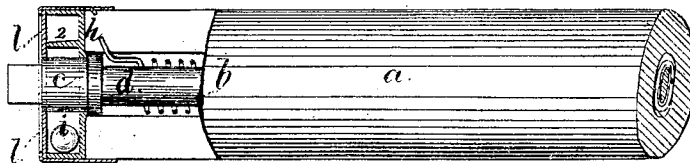


Fig. 3.



Witnesses

Chas. R. Smith  
Geo. S. Pinckney

Inventor.

Harvey H. Burritt,  
per Lemuel W. Serrell  
att'y

# UNITED STATES PATENT OFFICE.

HARVEY H. BURRITT, OF BELLEVILLE, NEW JERSEY.

## IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. **145,785**, dated December 23, 1873; application filed October 25, 1873.

*To all whom it may concern:*

Be it known that I, HARVEY H. BURRITT, of Belleville, in the county of Essex and State of New Jersey, have invented an Improvement in Curtain-Fixtures, of which the following is a specification:

Curtain-rollers have been made with a spring to revolve the roller and draw up the curtain, and a pawl has been employed to engage with the notched stationary spindle; but the end of the pawl is liable to become rounding and not to hold, and the notched spindle has to stand in a fixed position relative to the pawls when they fall, and so that the centrifugal force can be availed of in throwing the pawls out of action. Balls have also been used between stops formed by blocks on the roller ends, or by notches in the spindle and stops upon the roller end. My invention is made for dispensing with a pawl, and for using a cylindrical instead of a notched spindle. I employ, in addition to the cylindrical spindle, a scroll-flange in the roller end, and a ball that is placed between the scroll-flange and cylindrical spindle, in such a manner that the centrifugal force throws the ball outwardly in the roller end; but when the revolution of the roller is arrested, the ball is allowed to fall between the spindle and scroll and block the parts, so that the roller cannot revolve by the action of the spring until the curtain is drawn down sufficiently to liberate the ball and free the roller end from the clamping action upon the spindle.

In the drawing, Figure 1 is an elevation of the roller end and spindle as clamped by the

ball. Fig. 2 is a similar view, with the ball out of action; and Fig. 3 represents the roller and parts by a longitudinal section.

The roller *a*, spring *b*, and spindle *c* are of a character similar to that before employed, except that the spindle is plain instead of being notched. The spindle is inserted at the end of the wooden rod *d*, around which the spring is coiled, one end of that spring being attached to the rod, the other end to the wooden roller *a*. The metallic roller end *h* is made with a scroll-flange, 2, and guard-flange 3, and the ball *i* is inserted between these and the spindle *c*, the spindle at this point being cylindrical or slightly elliptical. The cap *l* is made to retain the ball *i* in place, and also to serve as an outer bearing for the spindle. It is preferable to secure the metallic roller end *h* by the nails *o*, and to make the cap *l* of a separate disk, secured by an inward flange of the cylindrical cap that extends around the wooden portion of the roller. A short cylinder may be employed in place of the ball.

I claim as my invention—

The curtain-fixture made with a roller end, and a frictional clamp interposed between the inner surface of the roller end and the cylindrical or smooth spindle, substantially as set forth.

Signed by me this 22d day of October, A. D. 1873.

H. H. BURRITT.

Witnesses:

GEO. T. PINCKNEY,  
CHAS. H. SMITH.