

CHARLES F. STOCK.

Improvement in Curtain Fixtures.

No. 123,591.

Patented Feb. 13, 1872.

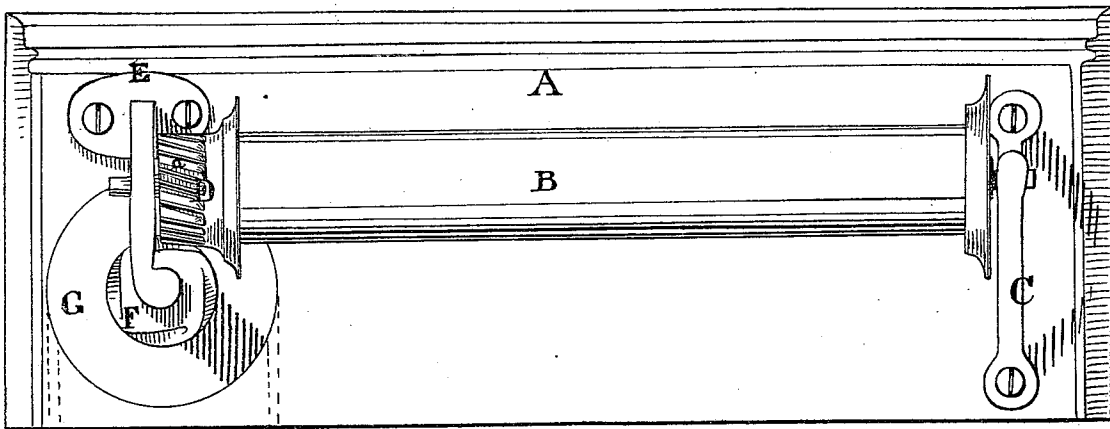


Fig. 1

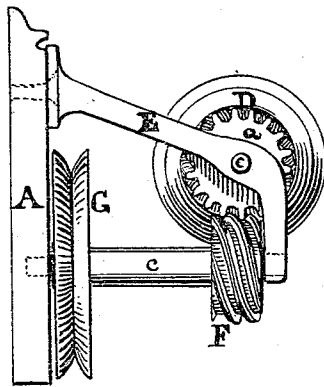


Fig. 2.

Witnesses
Ed. Shurtow
John Marston.

Charles F. Stock

UNITED STATES PATENT OFFICE.

CHARLES F. STOCK, OF PEORIA, ILLINOIS.

IMPROVEMENT IN CURTAIN-FIXTURES.

Specification forming part of Letters Patent No. 123,591, dated February 13, 1872.

To all whom it may concern:

Be it known that I, CHARLES F. STOCK, of the city of Peoria, in the county of Peoria, in the State of Illinois, have invented an Improvement in Mounting Rollers for Blinds, Curtains, and Similar Drapery; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawing making a part of this specification, in which like letters of reference refer to like parts, and in which—

Figure 1 represents a front elevation; Fig. 2 an end elevation.

Like letters in both figures of the drawing indicate like parts.

This invention relates to the construction of a window shade or blind and other winding rollers with spiral gearing for complete control of the roller, so that said gearing, without any auxiliary parts, will keep the roller in any position left rolled or partly rolled up.

A represents the window-frame or other vertical surface to which the roller supports are attached. B the roller, drawn on the scale of three-fourths inch to one inch, excepting as to length, and designed for blinds, drop-curtains, and similar articles; D, the flanged end of roller, to which is joined the oblique cog-pinion

a, pivoted in the support E; E, bracket or arm projecting from surface A at right angles, to which is pivoted the end of roller B and pinion a; F, a spiral pinion, gearing into the oblique cogged pinion a, and set on an axle or united with the cord-pulley G, their joint axes being at right angles with the roller and pivoted in front in the arm E, and behind in the surface A or equivalent mounting.

The operation needs no description. The peculiar mode of gearing keeps the roller at rest in any position between rolled and unrolled and at any height, and without the employment of springs, ratchets, stops, or other means of detention of the roller.

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

The blind-roller B, oblique pinion a, in combination with spiral screw-pinion F and cord-pulley G, substantially as and for the purpose set forth.

In testimony that I claim the foregoing blind-roller I have hereunto set my hand this 23d day of June, 1871.

Witnesses: CHARLES F. STOCK.
EDMUND THURLOW,
HENRY W. WELLS.