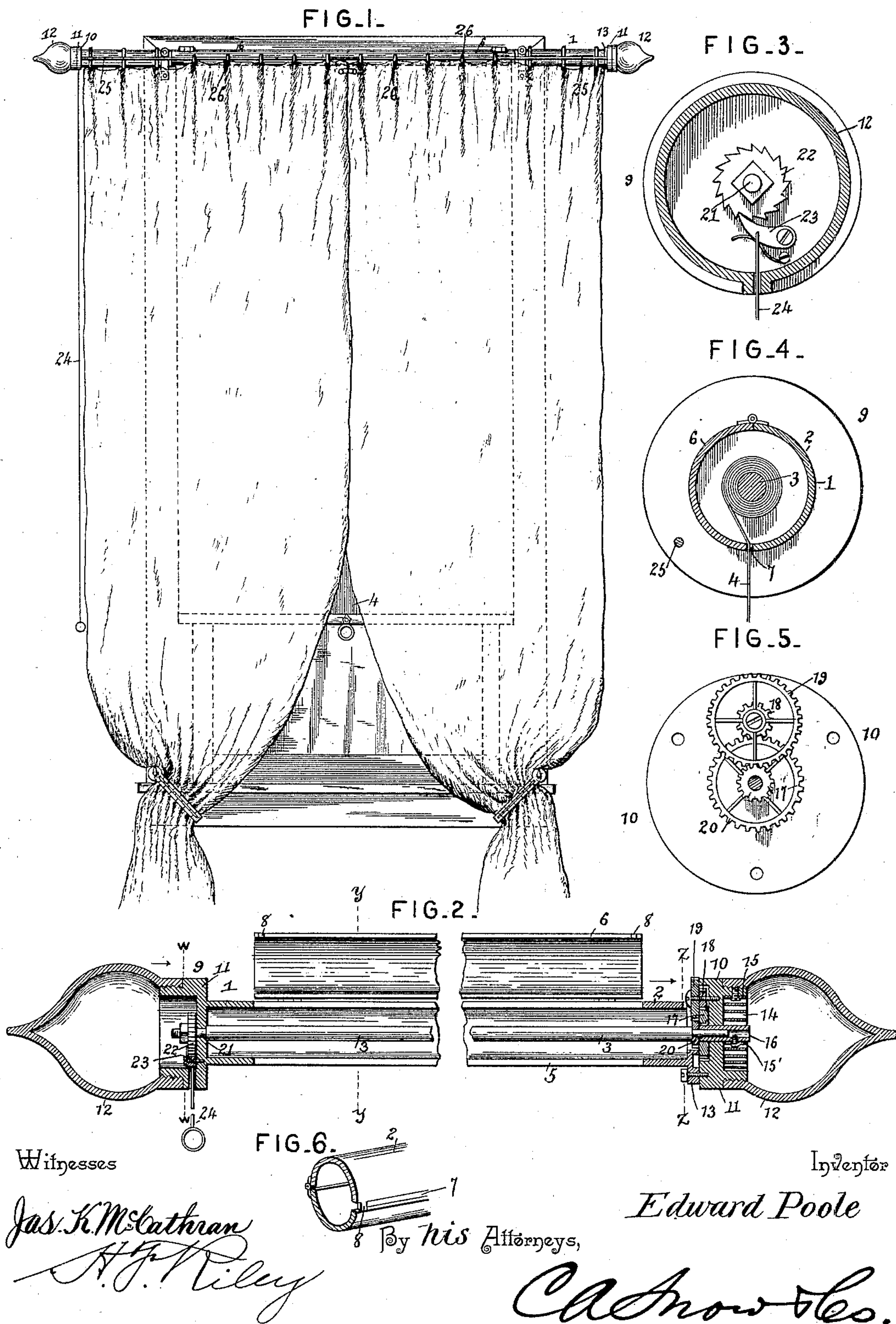


(No Model.)

E. POOLE.
WINDOW SHADE.

No. 464,989.

Patented Dec. 15, 1891.



UNITED STATES PATENT OFFICE.

EDWARD POOLE, OF FORDYCE, ARKANSAS, ASSIGNOR OF TWO-THIRDS TO DANIEL L. COLLINS AND FRANK E. PARKER, OF SAME PLACE.

WINDOW-SHADE.

SPECIFICATION forming part of Letters Patent No. 464,989, dated December 15, 1891.

Application filed March 28, 1891. Serial No. 386,785. (No model.)

To all whom it may concern:

Be it known that I, EDWARD POOLE, a citizen of the United States, residing at Fordyce, in the county of Dallas and State of Arkansas, have invented a new and useful Window-Shade, of which the following is a specification.

The invention relates to improvements in curtain-fixtures.

The object of the present invention is to simplify and improve the construction of curtain-fixtures and provide a combined curtain-roller and lambrequin-holder and to conceal the curtain within the lambrequin-holder when the former is wound up.

The invention consists of the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is an elevation of a window provided with a curtain-fixture embodying the invention. Fig. 2 is a sectional view taken longitudinally of the tubular casing. Figs. 3, 4, and 5 are sectional views on lines *w w*, *y y*, and *z z* of Fig. 2. Fig. 6 is a detail sectional view of a portion of the tubular casing.

Referring to the accompanying drawings, 1 designates a window provided at its top with brackets which support a tubular casing adapted to contain and conceal a curtain-roller and a curtain 4 as the latter is wound upon the roller 3. The tubular casing 2 is about the size of the ordinary lambrequin-pole, and it consists of a stationary section 5 and a hinged section 6, having its free edge arranged a short distance from the adjacent edge of the stationary section 5 and forming a longitudinal opening 7, through which the curtain 4 passes in winding and unwinding. The section 6 is adapted to be swung open to permit an inspection of the interior of the casing, and it is provided at the ends of its free edge with lugs 8, which project from the hinged section and engage the adjacent section and maintain the hinged section in proper position to form the longitudinal opening 7 and prevent the hinged section swinging inward and binding against the curtain and retarding rotation of the roller 3. The curtain-

opening 7 and the hinged section 6 extend within a short distance of the ends of the tubular casing, which is provided at its ends with cylindrical casings 9 and 10.

The casings 9 and 10, which are arranged at the ends of the tubular casing 2, are composed of two sections 11 and 12, the former of which are circumferentially rabbeted and externally threaded, and the latter are interiorly threaded and form caps for the sections 11 and are adapted to be readily removed when desired, and in practice the casings are designed to be suitably ornamented and may be constructed in ornamental shapes. The casing 10 is secured to the tubular casing by means of a flange 13 of the latter, and the flange 13 is provided with openings, through which pass screws for securing the section 10. This section 10 contains a coiled spring 14, which actuates the curtain-roller, and which has one end 15 provided with a projection engaging a recess of the casing and its other end 15' secured to a sleeve 16. The inner end of the sleeve 16 is provided with a cog-wheel 17, which meshes with a pinion 18 of a cog-wheel 19, and the latter meshes with a pinion 20 of the curtain-roller 3, and by this arrangement of gears the speed of the curtain-roller is greatly increased. The end of the curtain-roller carrying the pinion 20 is reduced and fitted into the adjacent end of the sleeve 16, which serves as a bearing.

The casing 9 is provided with a central opening forming a bearing for the end 21 of the curtain-roller, which projects into the casing and carries a ratchet wheel or disk 22. The ratchet wheel or disk is engaged by a spring-actuated pawl 23 and may be provided with teeth or not, as desired, and if not is preferably constructed of rubber or some similar material which will be soundless and which will cause sufficient friction with the pawl to hold the curtain-roller against rotation. The spring-actuated pawl is controlled by a wire 24, which has one end secured to the pawl and its other end provided with a ring, and which passes through an opening in the casing and is designed to be pulled upon to disengage the pawl and permit the coiled spring to wind up the curtain.

The curtain-fixture is provided with a rod 25, which has its ends secured to the casing 9 and the flange 13, and on which are placed a series of rings 26. The rings 26 provide means for attaching a lace curtain, lambrequin, or the like.

It will readily be seen that the curtain-fixture is simple and comparatively inexpensive in construction and is adapted to conceal the curtain when wound upon the roller and to present a neat and attractive appearance.

What I claim is—

1. In a curtain-fixture, the combination of the tubular casing having a longitudinal curtain-opening and provided at one end with a flange, the casings 9 and 10, arranged at the ends of the tubular casing and composed of sections 11 and 12, screwing together, the curtain-roller arranged within the tubular casing and having its end 21 extending into the casing 9 and carrying a ratchet-disk, a coiled spring arranged within the casing 10 and having one end secured thereto, the sleeve forming a bearing for the adjacent end of the curtain-roller and secured to the inner end of the coiled spring, the gear connecting the sleeve

and the curtain-roller, the spring-actuated pawl arranged to engage the said ratchet-disk, and means for controlling the same, substantially as described.

2. A curtain-fixture comprising the tubular casing having a longitudinal curtain-opening, the curtain-roller arranged within the tubular casing, the cylindrical casings composed of separable sections and arranged at the ends of the tubular casing, a spring arranged in the cylindrical casing at one end of the tubular casing and connected with the curtain-roller, the ratchet mechanism arranged in the other cylindrical casing, and the rod having its ends secured to the casings and arranged adjacent to the tubular casing and adapted to carry a set of rings for attaching a curtain or lambrequin, substantially as described.

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

EDWARD POOLE.

Witnesses:

J. H. SIGGERS,
E. G. SIGGERS.