No. 640,723. Patented Jan. 2, 1900.

W. H. & C. W. WHITE.

CURTAIN POLE.

(Application filed Apr. 10, 1899.)

(No Model.)

Fig. 1.

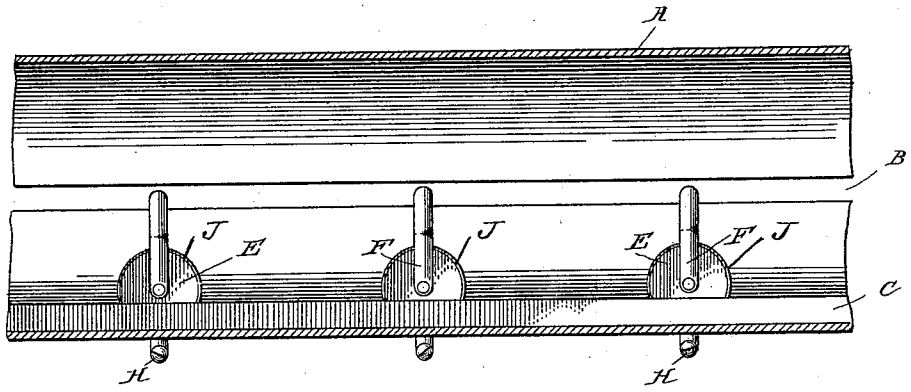
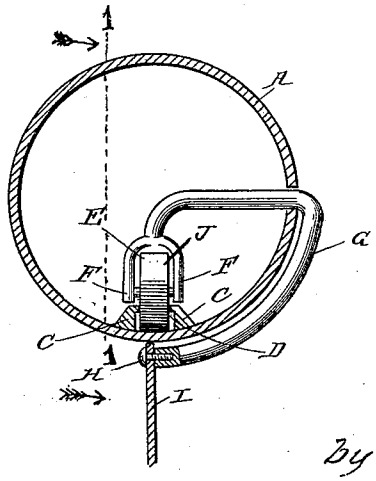


Fig. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM H. WHITE AND CHARLES W. WHITE, OF WEYMOUTH, MASSACHUSETTS.

CURTAIN-POLE.

SPECIFICATION forming part of Letters Patent No. 640,723, dated January 2, 1900.

Application filed April 10, 1899. Serial No. 712,472. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM H. WHITE and CHARLES W. WHITE, residing at Weymouth Centre, in the county of Norfolk and State of Massachusetts, have invented a new and useful Curtain-Pole, of which the following is a specification.

Our invention is in the nature of a curtain-pole upon which to support a curtain of fabric, which may be gathered at the ends of the pole by the sliding of the curtain-runners, the object of the invention being to provide an improved device of this class whereby the runners can be readily and easily moved upon the pole without friction or noise no matter what the weight of the curtain is within the limit of the strength of the material of which the pole and runners are made.

With this object in view our invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically pointed out in the appended claim.

In order to enable others skilled in the art to which our invention most nearly appertains to make and use the same, we will now proceed to describe its construction and operation, reference being had to the accompanying drawings, forming part hereof, in which—

Figure 1 is a longitudinal vertical sectional view on the line 1 1 of Fig. 2, looking in the direction of the arrows. Fig. 2 is a transverse vertical sectional view illustrating a pole and runner constructed in accordance with our invention.

Like letters of reference indicate the same parts in both the figures of the drawings.

Referring to the drawings by letters, A indicates the pole, which is a tube of sheet metal provided with a longitudinal slot B in the rear or outer side, extending from end to end.

C C indicate two strips secured on the inside of the pole, at the bottom thereof, leaving a groove or guideway D between them, in which travel wheels or rollers E, journaled in the forked inner ends F of open curtain-runners G, which are of substantially sector shape, rising to about the center of the pole, extending radially through the slot B, thence curved downwardly at a short distance outside of and concentric with the pole, and ending approximately in the vertical plane of the axis of the pole. In the outer end of the runners are threaded screws H, which secure the upper edge of the curtain I to the rings.

The construction of our invention will be readily understood from the foregoing description, and its operation may be described as follows: The curtain being secured to the runners by means of the screws H, the runners are slipped into the end of the slot, with the wheels or rollers in the guideway. The pole may be secured in any approved form of brackets at the window. The curtain may now be drawn to either side of the window, the runners moving in the slot B, friction being substantially avoided by the rollers or wheels rotating in the guideway, and noise being deadened by rubber covers or tires J on the wheels.

The advantages attending the use of our invention are obvious. The curtain moves on rollers instead of sliding. The runners are securely held in place and the rollers in their guideway by the weight of the curtain, and there is a minimum of noise and friction.

While we have illustrated and described what we consider to be the best means now known to us for carrying out our invention, we do not wish to be understood as restricting ourselves to the exact forms and constructions shown, as many slight changes therein or variations therefrom might suggest themselves to the ordinary mechanic, all of which would be clearly included within the limit and scope of our invention.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent of the United States, is—

The combination with a hollow curtain-pole provided with a longitudinal slot in its rear side, and a pair of longitudinal strips secured

to the lower inner surface forming a groove or guideway between them, of an open curtain-runner of substantially sector shape, the inner end carrying a roller operating in the guideway and the runner extending thence upward, then radially out through the slot, thence curved concentrically with the pole, outside thereof and ending approximately in the vertical plane of the axis of the pole, substantially as described.

WILLIAM H. WHITE.
CHARLES W. WHITE.

Witnesses:
SAMUEL GROSSMAN,
FRANK S. REDMOND.