

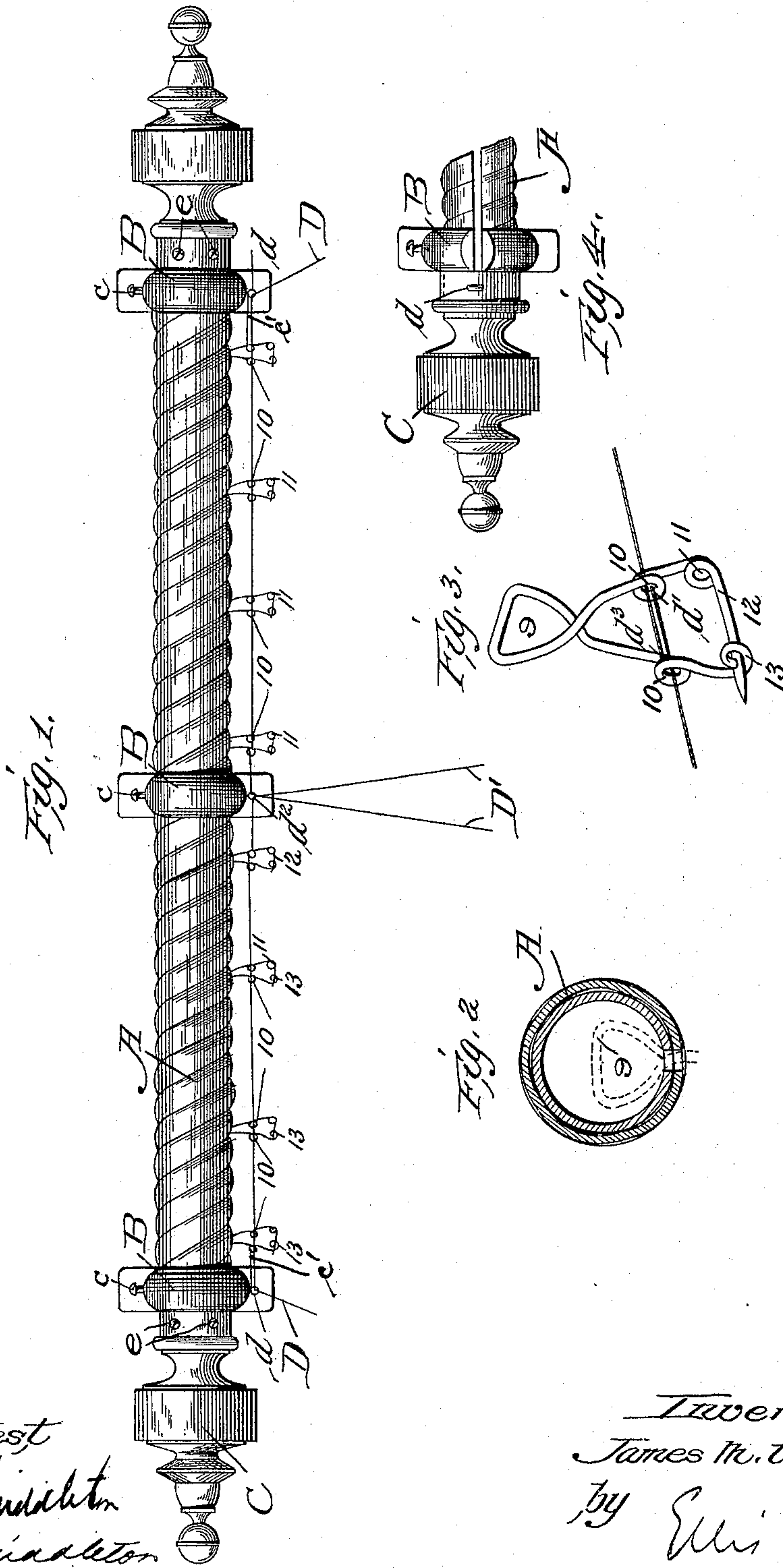
No. 638,488.

Patented Dec. 5, 1899.

J. M. WILLBUR.
CURTAIN POLE.

(Application filed Nov. 22, 1898.)

(No Model.)



Attest
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Invention
James M. Willbur.
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UNITED STATES PATENT OFFICE.

JAMES M. WILLBUR, OF NEW YORK, N. Y.

CURTAIN-POLE.

SPECIFICATION forming part of Letters Patent No. 638,488, dated December 5, 1899.

Application filed November 22, 1898. Serial No. 697,158. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. WILLBUR, a citizen of the United States, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Curtain-Poles, of which the following is a specification.

My invention relates to improvements in curtain-poles of that class in which the pole is composed of a hollow metallic tube having a slot through which the curtain-supporting devices extend.

The object of the invention is to provide an improved arrangement of the supporting device and an improvement in the device itself whereby the curtain attachments may be easily caused to slide to and fro inside the pole.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of the pole with the curtain attaching and operating devices in place. Fig. 2 is a detail view showing the reinforcing-tube and the attaching device in dotted lines. Fig. 3 is a detail view of the attaching device. Fig. 4 is a view of a modification.

In the drawings, A represents a slotted tubular pole which is supported at the ends and at the center, if desired, by brackets B B B, which are slotted to correspond with the slot in the pole. The pole is clamped securely in the brackets to hold the pole with the slots in alinement by set-screws c c c. The poles also are preferably provided with ornamental heads or knobs C C, adapted to fit the ends of the pole, and are clamped in place by a set-screw e at each end of the pole engaging a corresponding screw-eye in the portion of the knob which fits within the end of the pole.

The attaching device is shown more clearly in Fig. 3. These are preferably made of elastic brass wire bent to form a loop 9 at the upper end, the ends of the loop extending downwardly to form two-part spring-shanks which diverge or spread in a plane at right angles to the plane of the loop. In order to insert these attachments, the spreading shanks are pressed close together, and the loop or ring is thrust through the slot into the interior of the tube and the two legs of the shank, being held close together, pass into the slot. The attachment is then turned one-quarter and the legs allowed to spread, and when thus spread they hold the loop in a plane at right angles to

the slot, in which position the attaching device may slide freely back and forth.

The legs of the shank are each provided with a coil 10 for a purpose hereinafter to be described. Below the coils 10 one of the legs is coiled again at 11 and provided with a laterally-extending portion 12, pointed at the end to enable it to penetrate the curtain, while the extremity of the other end is coiled, as at 13, to secure the end of the portion 12 after the manner of a safety-pin.

In order that the attaching devices may be caused to travel easily to and fro to close or open the curtains, I provide cords D D', the former being for separating the curtains and the latter for drawing them together again. The cord D passes first through an eye d , carried by the bracket B or socket of the knob, and thence is threaded through the coils 10 of each attaching device until the last is reached, to which the end is secured, as shown at d' . The cord D' is carried through a corresponding eye d^2 and is secured to the same attaching device, as shown at d^3 , and it will thus be seen that by means of the cords D and D' the curtains may be drawn forward or back at will, and as the line of draft is arranged approximately centrally of the attaching devices an easy sliding action is secured. The cords c' are secured to the eyes d and to the adjacent attaching device to limit the movement of the curtain toward the center when the cords D' are pulled.

Having thus described my invention, what I claim is—

The combination with a slotted rod having end and a central supporting-bracket, a series of attaching devices slidable in said rod, guiding devices carried by each bracket and an independent cord extending through each of the end guiding devices, both of said cords passing through the central guiding device, one cord controlling the attaching devices on one side of the central bracket and the other cord those on the opposite side of said central bracket, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES M. WILLBUR.

Witnesses:

JOHN A. SHIELDS,
FRED S. KEMPER.