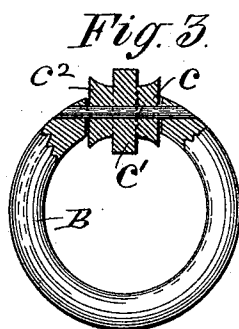
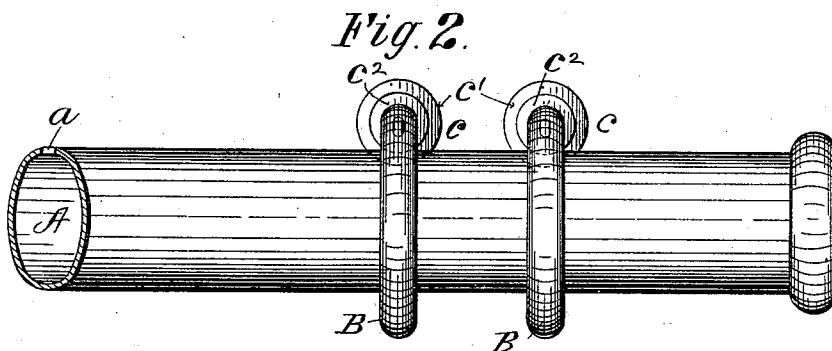
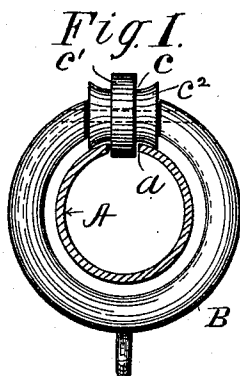


(No Model.)

C. J. BENSON & F. FELLOWS.
CURTAIN POLE AND RING.

No. 581,475.

Patented Apr. 27, 1897.



Witnesses.
H. R. Edlin,

J. T. Cameron

Inventors.
Chas. J. Benson,
Frank Fellows
by *J. J. Schmaus*,
their attorneys.

UNITED STATES PATENT OFFICE.

CHARLES J. BENSON AND FRANK FELLOWS, OF BALTIMORE, MARYLAND.

CURTAIN POLE AND RING.

SPECIFICATION forming part of Letters Patent No. 581,475, dated April 27, 1897.

Application filed August 3, 1896. Serial No. 601,484. (No model.)

To all whom it may concern:

Be it known that we, CHARLES J. BENSON and FRANK FELLOWS, of Baltimore, Maryland, have invented a new and useful Improvement in Curtain Poles and Rings, which improvement is fully set forth in the following specification.

The present invention has reference to curtain poles and rings, and particularly to that style of such fixtures wherein the ring is provided with a roller bearing on the pole.

While many of such devices have been heretofore constructed and practically applied, with the general objects in view of structural simplicity and facility of manufacture, ease and noiselessness of operation, and the avoidance of binding of the ring on the pole and derangement and entanglement of the parts, no construction of which we are aware has combined these qualities in such measure as they are attained by this invention. In accordance therewith we employ a hollow cylindrical pole having a longitudinal slot or recess on its upper side and rings each provided with a roller running along the edges of the slot in the pole and having a central peripheral flange or projection extending into the slot and acting as a guide to maintain the ring always in an operative position. In its preferable form the flange so far extends into the groove in the pole, without coming into contact with the inner walls thereof, as to prevent its being lifted out of the same. Furthermore, by virtue of the hollow pole the possibility of binding of the roller is reduced to a minimum, and if the ring be tilted to one side or the other the roller will run along one edge only of the groove.

Further advantages of the construction hereinafter described will be fully understood by reference to the accompanying drawings, wherein—

Figure 1 is a sectional view of the pole, showing a ring in elevation, embodying the features of our invention. Fig. 2 is a side elevation of the same, and Fig. 3 is a sectional view through a portion of a ring and its roller.

Referring to the drawings, A represents a

hollow cylindrical curtain-pole having a longitudinal slot *a* along its upper side.

B are rings encircling pole A, said rings being split on their upper side and the ends thus formed connected by a pin forming an axis or shaft upon which rollers *c* rotate. Said rollers *c* each have a central peripheral flange or projection *c'*, which runs in slot *a* of the pole and acts as a guide for the ring. The diameter of ring B and the dimensions of flange *c'* are such as to render it impossible to lift the latter out of the slot. The ends of rollers *c* at each side of flange *c'* rest upon and run along the pole at the edges of slot *a*, and the peripheral surfaces of said ends are preferably inclined or concaved inwardly toward the flange *c'*, as clearly shown in the drawings, so as to more closely fit the contour of the pole.

While we have herein referred to a hollow cylindrical pole, which is the form preferred, other suitable forms of pole may be employed within the limits of our invention. Likewise other forms of ring than that shown and described may be employed without departing from the invention, the essential feature of which is the roller bearing along the edges of a slot or recess in the upper side of the pole and having a central flange projecting into the slot or recess.

Other modifications may of course be made without departing from the principle of the invention.

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

1. A hollow cylindrical curtain-pole having a longitudinal slot in its upper side, in combination with a ring surrounding the pole, a roller on the ring spanning the slot and bearing on the pole along the edges of said slot, and a central peripheral flange on the roller extending into the slot, but not of such dimensions as to bear at its periphery against the interior of the pole, substantially as described.

2. A hollow cylindrical curtain-pole having a longitudinal slot in its upper side, in com-

5 bination with a ring surrounding the pole, a roller on the ring spanning the slot and bearing on the pole along the edges of said slot, and a central peripheral flange on the roller projecting into the slot, the ring and roller being of such relative diameters as to prevent disengagement of the flange on the roller from the slot in the pole, substantially as described.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

CHARLES J. BENSON.
FRANK FELLOWS.

Witnesses:

JNO. SPRING, Jr.,
WM. H. JONES.