

(No Model.)

S. W. CUSHING.
DEVICE FOR SUSPENDING DRAPERIES.

No. 589,703.

Patented Sept. 7, 1897.

Fig. 1.

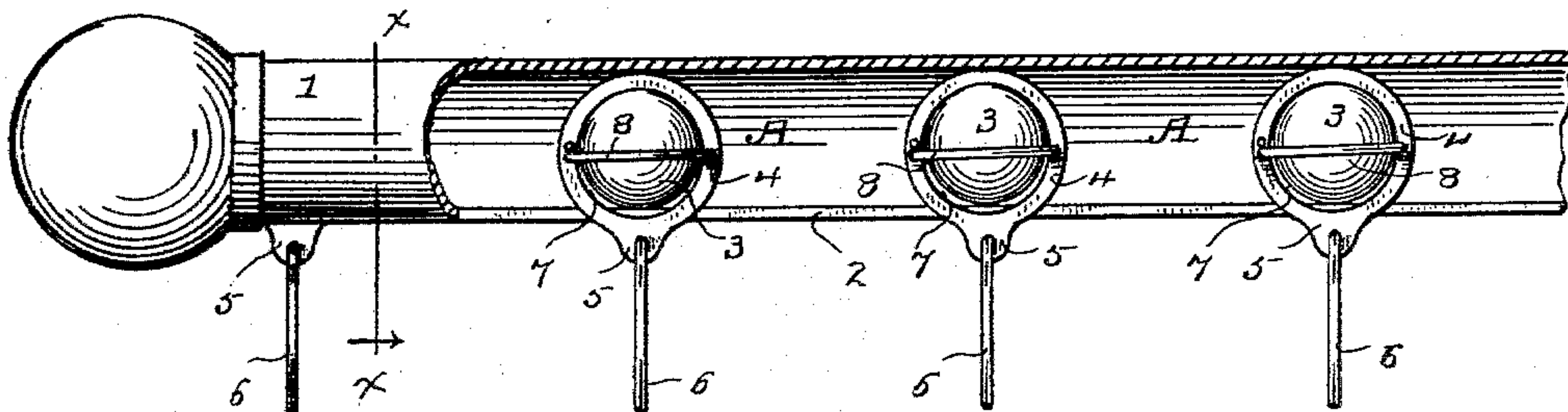


Fig. 2.

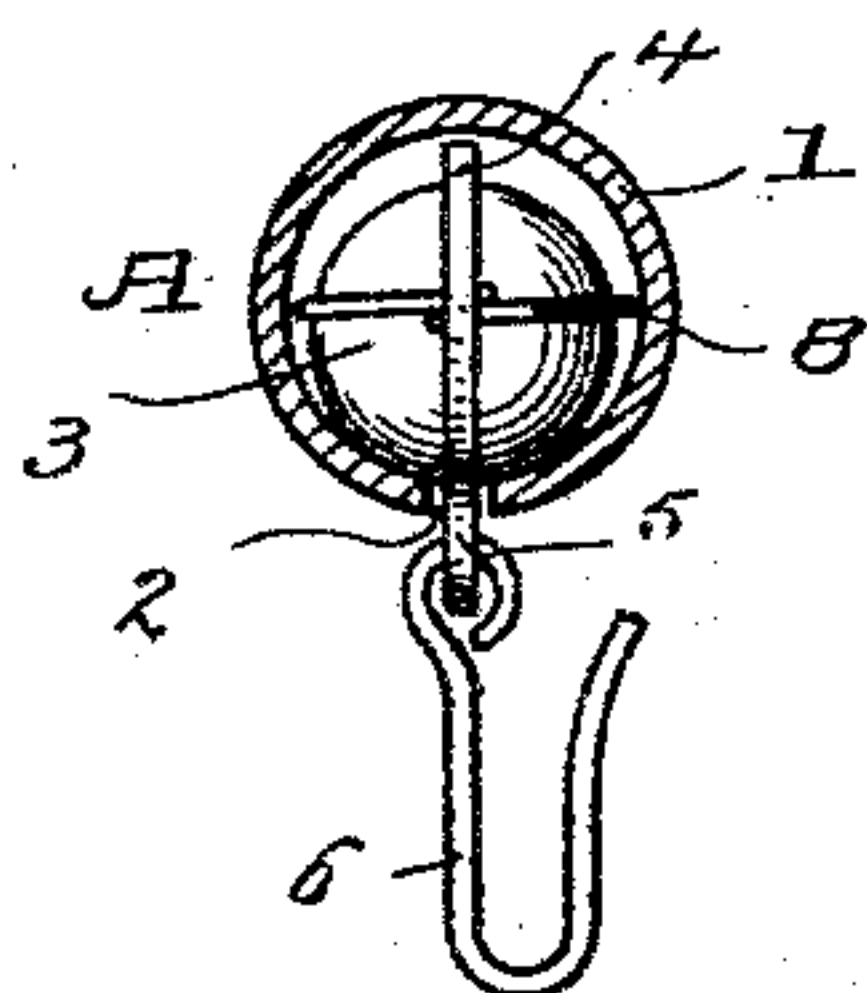


Fig. 3.

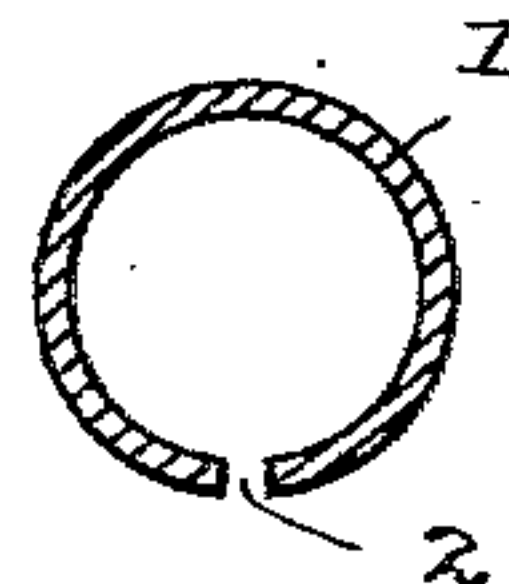
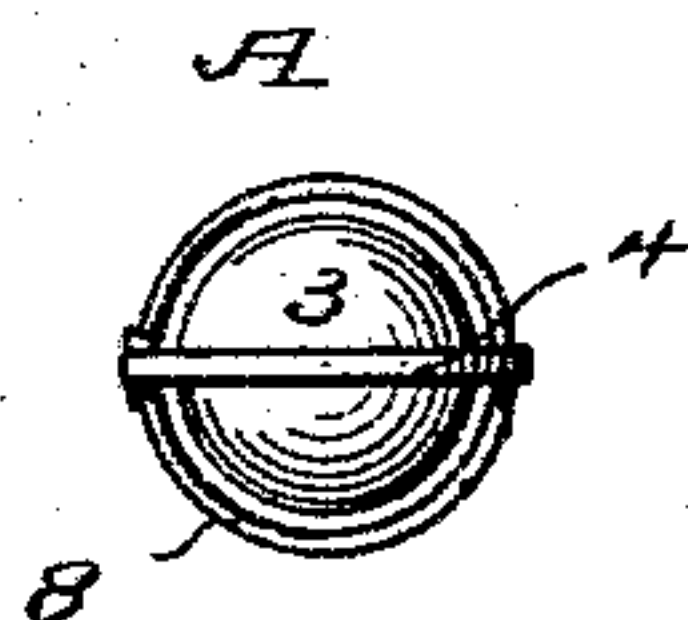


Fig. 4.



WITNESSES

H. F. Lamb.
Susan V. Helyer

INVENTOR

Samuel Wentworth Cushing
By J. M. Wooster atty.

UNITED STATES PATENT OFFICE.

SAMUEL WENTWORTH CUSHING, OF DERBY, CONNECTICUT, ASSIGNOR TO
ROBERT S. GARDNER, OF SAME PLACE.

DEVICE FOR SUSPENDING DRAPERIES.

SPECIFICATION forming part of Letters Patent No. 589,703, dated September 7, 1897.

Application filed February 3, 1897. Serial No. 621,733. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL WENTWORTH CUSHING, a citizen of the United States, residing at Derby, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Devices for Suspending Draperies; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object to provide a device for suspending curtains, portières, and draperies generally which is used in connection with a slotted tube instead of a pole, which dispenses with all outside rings, is simple and inexpensive to produce, in which friction is reduced to the minimum, and which will not become affected to the slightest extent by oxidation of the parts in use.

With these ends in view I have devised the simple and novel device for suspending curtains which I will now describe, referring by characters to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an elevation, the tube being in section, illustrating the operation of my novel suspending device; Fig. 2, a section on the line xx in Fig. 1; Fig. 3, a section of the tube; and Fig. 4 is a plan view of one of my novel suspending devices detached.

1 denotes the tube, which is provided with a slot 2 in its under side.

My novel suspending device consists simply of a free ball 3 and a carrier A, in which the ball is loosely inclosed.

I have shown this carrier as consisting of a plate 4, which in the present instance is round and has a lip 5 extending through the slot and provided with a hole to receive a hook or other suitable device 6 for the attachment of a curtain or other piece of drapery. The plate is of such a size as not to come in contact with any portion of the tube unless

it be the sides of the slot and is provided with a central opening 7, which receives the ball freely. The ball is shown as retained in this opening by a ring 8, of wire, which lies in a plane practically at right angles to the plate and is passed through one side of the plate 4 and the ends of which are attached to the other side, the ring retaining the ball in the opening, as clearly shown in Fig. 4, but leaving it perfectly free, the essential principle of the invention being that the ball is left wholly free.

It will be seen that in use the weight of the curtain or other piece of drapery suspended from the carrier will rest upon the top of the ball and that the ball when the hanging is moved will travel on the lower portion of the inner periphery of the tube. The edge of the opening 7 in the plate rests in the top of the ball, said edge extending in the direction of the rotation of the ball. Therefore the movement of the ball has no tendency to oscillate the carrier, and the minimum amount of friction is provided for.

Having thus described my invention, I claim—

A device for suspending draperies consisting of a free ball and a carrier therefor comprising in its construction a flat plate having an opening which receives the ball loosely and a ring secured to the plate by which the ball is loosely held in the opening, the edge of the opening in the plate resting on the ball in the line of its path of movement, and a portion of said plate being adapted to extend through a slot in a runway and guide the plate in said line.

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

SAMUEL WENTWORTH CUSHING.

Witnesses:

CHARLES N. DOWNS,
D. B. GIDDINGS.