F. L. COWAN.

RACK.

APPLICATION FILED JULY 25, 1916.

1,230,678. Patented June 19, 1917.

Fig. 1.

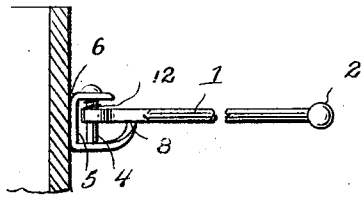


Fig. 2.

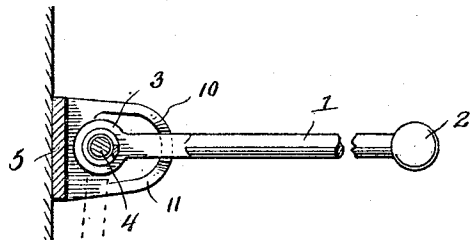


Fig. 5.

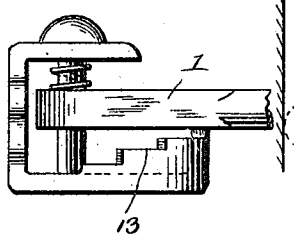
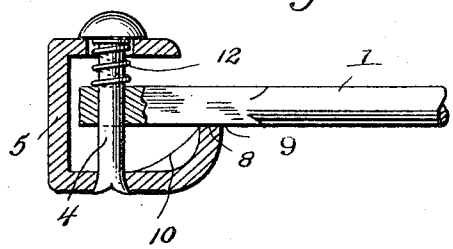


Fig. 3.



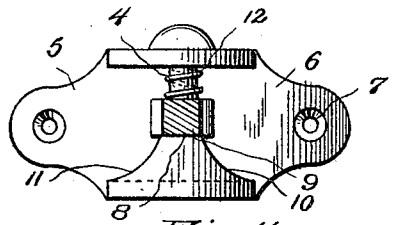


Fig. 4.

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UNITED STATES PATENT OFFICE.

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RACK.

1,230,678. Specification of Letters Patent. Patented June 19, 1917.

Application filed July 25, 1916. Serial No. 111,211.

To all whom it may concern:

Be it known that I, FORREST L. COWAN, a citizen of the United States, residing at Beaver, in the county of Beaver and State of Pennsylvania, have invented new and useful Improvements in Racks, of which the following is a specification.

This invention relates to a garment rack and has for its principal object to construct a device of this character wherein the rod will be automatically moved to an inactive position when the rod is moved to any other position but active.

Another object of the invention is the novel arrangement of the spring which cooperates with the rod for automatically moving the same to an inactive position.

With these and other objects in view the invention consists in the feature of construction, combination and arrangement of parts hereinafter fully described and claimed, reference being had to the accompanying drawing in which:—

Figure 1, is a fragmentary sectional view of a theater seat showing my invention applied thereto.

Fig. 2, is a horizontal sectional view.

Fig. 3, is a vertical sectional view.

Fig. 4, is a cross sectional view through the rod, and

Fig. 5, is a side elevation view of a modified form of my invention.

Referring more particularly to the Figs. 1 to 4 inclusive numeral 1, designates a rod upon which the garments are mounted. In this particular instance one end is formed into a head 2, while the other end is formed into an eye 3, through which passes a bolt or pin 4, so that the rod may be free to move in an arc of a circle.

This pin or bolt 4, is secured in a bearing 5, the back 6, of which is provided with holes 7, through which securing elements pass to secure the bearing to a support. The bearing 5, is constructed to have a flat surface 8, adapted to engage the flat under surface 9, of a portion of the rod so that the rod may retain an active position. At opposite sides of the flat surface 8, the bearing slopes toward the back 6, as indicated at 10 and 11 so that when the rod is moved slightly it engages the inclined surface which moves the rod to an inactive position.

To facilitate this action I provide a spring 13 which encircles the pin and is arranged between the rod 17 and head of the pin.

In Fig. 5, I have substituted stepped surfaces 15 for the surfaces 10 and 11, so that the rod may assume a plurality of angular positions.

From the foregoing description taken in connection with the accompanying drawing it will be apparent that I have provided a device which is admirably adapted for the purpose for which it is intended and which is simple, durable and efficient in construction and may be manufactured at a relatively low cost.

What I claim is:—

1. A garment rack comprising a rod, a bearing for supporting said rod constructed to have a supporting surface for said rod and a sloping surface for guiding said rod to an inactive position when moved to one side of the supporting surface, and a spring acting upon said rod for moving the same along the sloping surface.

2. A garment rack comprising a rod, a bearing for supporting said rod constructed to have a supporting surface for said rod, a sloping surface for guiding said rod to an inactive position when moved to one side of the supporting surface, a spring acting upon said rod for moving the same along the sloping surface or to hold said rod in tight contact with said supporting surface.

3. A garment rack comprising a rod, a bearing, a pin mounted in said bearing and supporting the rod for swinging movement, a spring encircling said pin and acting upon said rod, said bearing being provided with inclined surfaces coöperating with the action of said spring for automatically moving the rod to an inactive position.

In testimony whereof I affix my signature.

FORREST L. COWAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."