A. PERRY.

CURTAIN SUPPORT.

APPLICATION FILED MAR. 2, 1916.

1,187,648. Patented June 20, 1916.

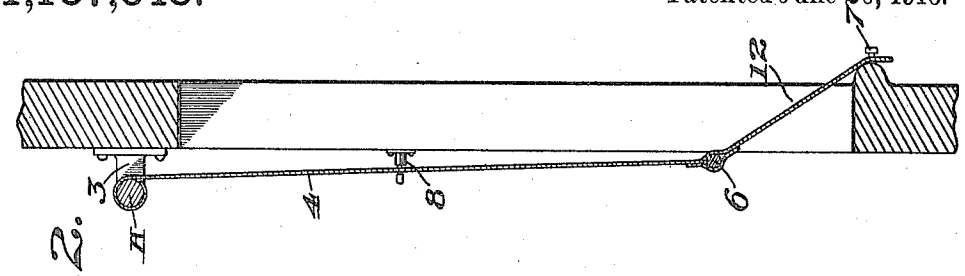


Fig. 2.

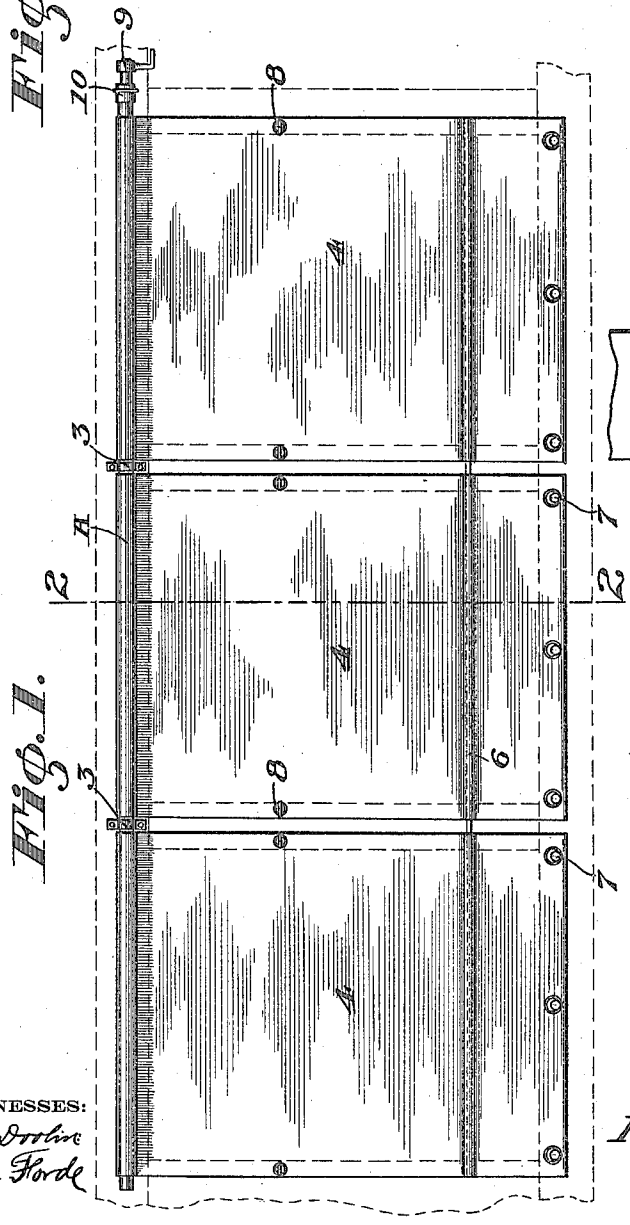


Fig. 1.

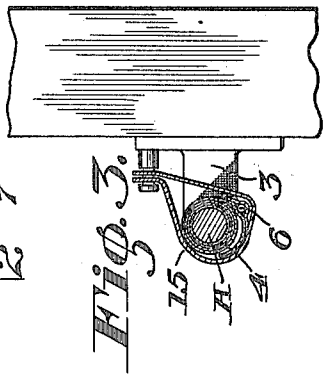


Fig. 3.

WITNESSES:

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AMOS PERRY, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO JESSE M. YOUNT, OF SAN FRANCISCO, CALIFORNIA.

CURTAIN-SUPPORT.

1,187,648. Specification of Letters Patent. Patented June 20, 1916.

Application filed March 2, 1916. Serial No. 81,634.

To all whom it may concern:

Be it known that I, AMOS PERRY, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Curtain-Supports, of which the following is a specification.

This invention relates to a curtain support.

One of the objects of the present invention is to provide a simple, substantial, cheaply manufactured and easily installed curtain roller and support and particularly a roller which is sufficiently long to carry a plurality of individual curtains.

Another object of the invention is to provide means for raising and lowering the curtains in unison to secure the curtains against movement either when raised or lowered, and to provide means for always retaining the curtains in perfect alinement. The curtains and the support are furthermore constructed particularly for application to open or open-ended street cars and are provided for the purpose of protecting the passengers against rain, wind and sun.

Further objects will hereinafter appear.

The invention consists of the parts and the construction and combination of parts, as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a side elevation of the invention. Fig. 2 is a cross section on line 2—2, showing the curtain lowered. Fig. 3 is a detail view showing the curtain raised.

Referring to the drawings in detail, A indicates a roller which is sufficiently long to extend over a plurality of windows. This roller is secured in position by means of a plurality of bearing brackets 3 and has secured thereon, intermediate of the bearing brackets, a suitable number of curtains, such as shown at 4. Secured near the lower ends of the curtains is a metal rod 6; said rod extends across the several curtains and is secured thereto by being sewed to the material of the curtains or by any other suitable manner. Secured in the lower edge of each curtain is a plurality of eyelets which are provided for the purpose of securing the lower edge of the curtain to the window sill when in the lowered position, a number of hooks or headed buttons 7 being provided for the purpose. A suitable number of eyes may also be fastened in the edges of each curtain to permit it to be fastened to the window frame by means of turn buttons 8 or like means.

Secured on one end of the roller is a crank 9 and a pawl and ratchet 10. The crank is provided for the purpose of raising and lowering the curtains by turning the roller, and the pawl and ratchet to lock same against movement, either when the curtain is raised or lowered.

In operation when it is desired to roll the curtains, it is only necessary to release the ratchet and turn the crank to unreel the curtain. The lower edge is then fastened to the hooks 7 and the crank turned in the opposite direction to pull the curtains taut. It is then locked by lowering the pawl and the curtain is thus always maintained in the taut position and is furthermore secured by the eyelets engaging the lower hook 7 and the turn buttons 8. Any flapping or movement of the curtain is thus done away with and rain or wind is prevented from entering the open sides of the car. The curtain rod 6 connecting the several curtains does not only serve to hold these in perfect alinement, but also acts as a weight which causes the curtains to be tightly reeled about the roller when the curtains are raised. The rod furthermore engages with the window frames and permits the lower end of the curtain to assume an angular position, as indicated at 12, when lowered. This arrangement positively deflects the rain and furthermore permits all the water to drain over the outside of the sill.

The construction and arrangement here shown is particularly applicable to street cars and like vehicles, and is so constructed that it may be properly installed and easily handled by the conductor, as all curtains may be raised or lowered by the operation of a single crank.

For the purpose of securing the lower section of the curtains, indicated at 12, when the curtain is in raised position, a strap, such as indicated at 15 has been employed. One end of the strap is secured to a button above the roller, and the other end is passed under the roller and back to the button, as shown in Fig. 3. This positively secures the curtains against unwinding and also

prevents the loose end section 12 from flapping around or obstructing the view through the window.

The materials and finish of the several parts of the device may otherwise be such as the judgment and experience of the manufacturer may dictate.

I wish it understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims and that I do not wish to limit myself to the specific design and construction here shown.

Having thus described my invention, what I claim and desire to secure by Letters Patent is—

1. The combination with a plurality of windows, of a single curtain roller extending lengthwise of said windows, a plurality of curtains secured to said roller, means for turning the roller to raise or lower the curtains in unison, means for locking the roller against movement when the curtains are either raised or lowered, and a single rod arranged on the inner sides of the windows and connecting the curtains adjacent their lower edges to provide depending flaps adapted to be secured to the outer sides of the windows.

2. The combination with a window frame having a plurality of window openings formed therein, of a single curtain roller extending lengthwise of said windows, a plurality of curtains secured to said roller, one for each window opening, means for turning the roller to raise or lower the curtains in unison, eyelets in the lower edge of each curtain engageable with fasteners secured on the exterior edge of the window frame sill, and a single rod extending across the curtains and secured thereto, in spaced relation to and above the eyelets, said rod engaging the inner face of the window frame substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

AMOS PERRY.

Witnesses:
JOHN H. HERRING,
W. W. HEALEY.

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