C. M. ABBOTT.
SUPPORT FOR STORM CURTAINS.
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NO MODEL.

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Attest:
J. M. Middleton.
Edw. L. Reed.

Inventor:
Charles M. Abbott.

by
Att'y.
To all whom it may concern:

Be it known that I, CHARLES M. ABBOTT, a citizen of the United States, residing at Watertown, Massachusetts, have invented certain new and useful Improvements in Supports for Storm-Curtains, of which the following is a specification.

My invention relates to supports for preventing the sagging of storm-curtains on street-cars. In many types of summer-cars a storm-curtain is provided at the front and back of the car. This curtain is attached to the ceiling of the car and extends out over the back of the end seat, and as it has no support but the back of the seat it sags down over the seat, making it very uncomfortable for the occupants, especially in wet weather.

The object of my invention is to provide a support that will prevent the sagging of the curtain and which can readily be moved out of the way when not in use.

Referring to the drawings, Figure 1 is a transverse sectional view showing the support in its extended position. Fig. 2 is a similar view showing the support in its idle position. Fig. 3 is a detail sectional view of one of the brackets carrying the support. Fig. 4 is a modification.

A plate $a$, having a slot $c$, is secured to the inner side of each of the uprights carrying the end seat. Pivoted to this plate at $g$ is the arm $b$, which is attached to one end of the transverse bar $d$, the length of which corresponds to the width of the curtain. The brace $e$ is pivoted at one end to the arm $b$ at $n$ and at the other end is pivoted to the plate $a$ at $i$ in such a manner that it is allowed a sliding motion in the slot $c$.

Attached to the uprights above the plate $a$ is a catch $k$, which engages the arm $b$ and retains the support in its raised or idle position.

When it is necessary that the storm-curtain should be used, the support is lowered to its extended position and the curtain drawn over the bar and over the back of the seat, thus forming a vertical wall which will not sag nor be driven inward by the storm.

Where a heavy curtain is used, a bar which is sufficiently light is not wide enough to properly support the curtain and it is necessary to use a collapsible extension, such as is shown in Fig. 4, in which $d$ is the bar proper and $d'$ is an auxiliary bar connected thereto by the links $o$, so that when the support is not in use it may be folded out of the way, but when in use the auxiliary bar may be raised to its extended position, so as to support the curtain clear of the passengers' heads.

Having described my invention, what I claim is:

1. In combination with the upright standards of a car, seats secured thereto, a curtain secured at the top of said standards, of a support for said curtain secured to said standards between the top thereof and said seat, substantially as described.

2. In a support for storm-curtains, the combination of a plate, an arm pivoted thereto, a bar carried by said arm and a sliding brace for retaining the arm in an extended position.

3. In a support for storm-curtains, the combination of a plate, an arm pivoted thereto, a bar carried by said arm and a catch for retaining said arm in an elevated position, substantially as described.

4. In a support for storm-curtains, the combination with the back of the car-seat of a bar secured above said seat and below the top of said curtain, substantially as described.

5. In a support for storm-curtains, the combination with the back of the car-seat of a horizontal bar secured above said seat and in a vertical plane therewith and below the top of said curtain, substantially as described.

6. In combination with a storm-curtain, a bar for engaging the curtain, an extension for said bar and brackets for supporting said bar, substantially as described.

7. In combination, with a storm-curtain, a bar for engaging the curtain, a collapsible extension for said bar and brackets for supporting said bar, substantially as described.

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

CHARLES M. ABBOTT.

Witnesses:

WILLIAM A. ABBOTT,

JOHN E. ABBOTT.