

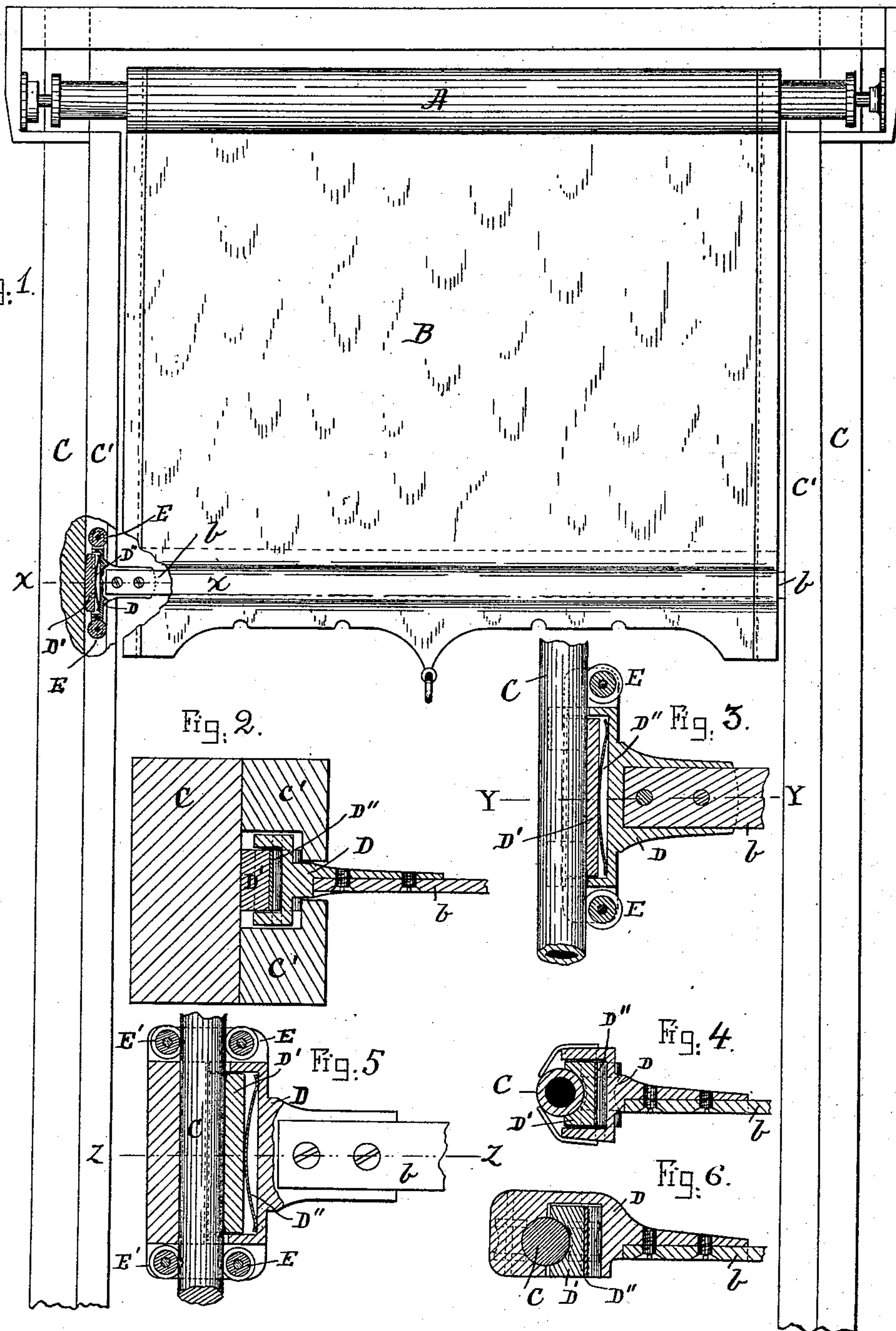
(No Model.)

H. M. SWEENEY.  
CURTAIN FIXTURE.

No. 472,832.

Patented Apr. 12, 1892.

Fig. 1.



Witnesses.

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# UNITED STATES PATENT OFFICE.

HUGH M. SWEENEY, OF BOSTON, MASSACHUSETTS.

## CURTAIN-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 472,832, dated April 12, 1892.

Application filed May 29, 1891. Serial No. 394,601. (No model.)

*To all whom it may concern:*

Be it known that I, HUGH M. SWEENEY, a citizen of the United States, and a resident of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Curtain-Fixtures, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention relates to improvements in curtain-fixtures, and it is particularly well adapted for shades in use on windows for railroad-cars, horse-cars, electric cars, coaches, &c., although it may to advantage be used on other window-shades, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a front elevation of a window-curtain provided with my invention. Fig. 2 represents a cross-section on the line X X in Fig. 1, shown as enlarged. Fig. 3 represents a vertical section of a modification of the invention, and Fig. 4 represents a cross-section on the line Y Y shown in Fig. 3. Fig. 5 represents a vertical section of another modification, and Fig. 6 represents a cross-section on the line Z Z shown in Fig. 5.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

The object of my invention is to provide a window-curtain with a friction device for retaining it in any desired position, so as to prevent it from flying up in case a spring-fixture is used and to prevent it from sagging down if used in connection with other kinds of curtain-rollers or curtain-holding devices.

In Fig. 1, A represents a curtain-roller of any well-known construction, such as a spring-fixture or other kind, as may be desired.

B is the shade or curtain, as usual, having a bar *b* attached to its lower portion.

C C are the vertical guide-posts, which may be made of wood with flat inner surfaces, as shown in Figs. 1 and 2, or may be made as metal rods or tubes, as shown in Figs. 3, 4, 5, and 6. To each end of the rod *b* is detachably secured by screws a metallic box or chambered plate D, containing a spring-pressed friction-block D', which is guided and supported by the side walls of the box and held with a yielding pressure against the post or

rod C by means of a spring D'', preferably interposed between said box and friction-block, as shown. To the upper and lower ends of the boxes D D are journaled the anti-friction guide-rollers E E, that serve for the purpose of preventing the bar *b* and its friction-blocks from kinking or binding against the posts or rods C C in case the said bar *b* should be raised or lowered while in an inclined position, said rollers thus serving to properly guide the curtain while it is being operated. The boxes D and their friction-blocks D' may be guided relative to the posts or rods C in any suitable manner, and I have shown for this purpose in Figs. 1 and 2 vertical rabbeted side pieces C' C'. In Figs. 3 and 4 the friction-blocks are shown concave, so as to fit the rods C, and in Figs. 5 and 6 the said blocks are likewise shown concave, and additional outside rollers E' E' are shown for more effectually guiding the boxes D D on the rods or tubes C C. By detachably securing the curtain rod or bar *b* to the metallic boxes D it is possible to remove the curtain and its rod or bar while leaving the boxes in position on the guide-posts C, so that the boxes, with their friction-blocks, will always be in correct position on the guide-posts, even though the curtain and its rod or bar *b* are removed.

Either of the above-mentioned guide devices may be used to equal advantage without departing from the essence of my invention.

Having thus fully described the nature, construction, and operation of my invention, I wish to secure by Letters Patent and claim—

1. The combination, with a shade-roller, vertical guide-posts, and a shade having a shade-bar at its lower edge, of a box secured to each end of the shade-bar and provided with anti-friction rollers bearing against the guide-posts, a friction-block located inside of each box and guided by the side walls thereof, and a spring acting to press each friction-block against a guide-post, substantially as described.

2. The combination, with a shade-roller, vertical guide-posts, and a shade having a shade-bar at its lower edge, of a metallic box secured to each end of the shade-bar and guided in engagement with the guide-posts, a friction-block located inside of each box and

guided by the side walls thereof, and a spring interposed between each box and its friction-block to press the latter against a guide-post, substantially as described.

- 5 3. The combination, with a shade-roller, vertical guide-posts, and a shade having a shade-bar at its lower edge, of a metallic box detachably screwed to each end of the shade-bar and provided with upper and lower anti-friction rollers bearing against the guide-  
10 posts, a friction-block located inside of each box between the upper and lower anti-friction rollers and guided by the side walls of the

box, and a spring interposed between each box and its friction-block to press the latter 15 against a guide-post, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 28th day 20 of May, A. D. 1891.

HUGH M. SWEENEY.

Witnesses:

ALBAN ANDRÉN,  
ALICE A. PERKINS.