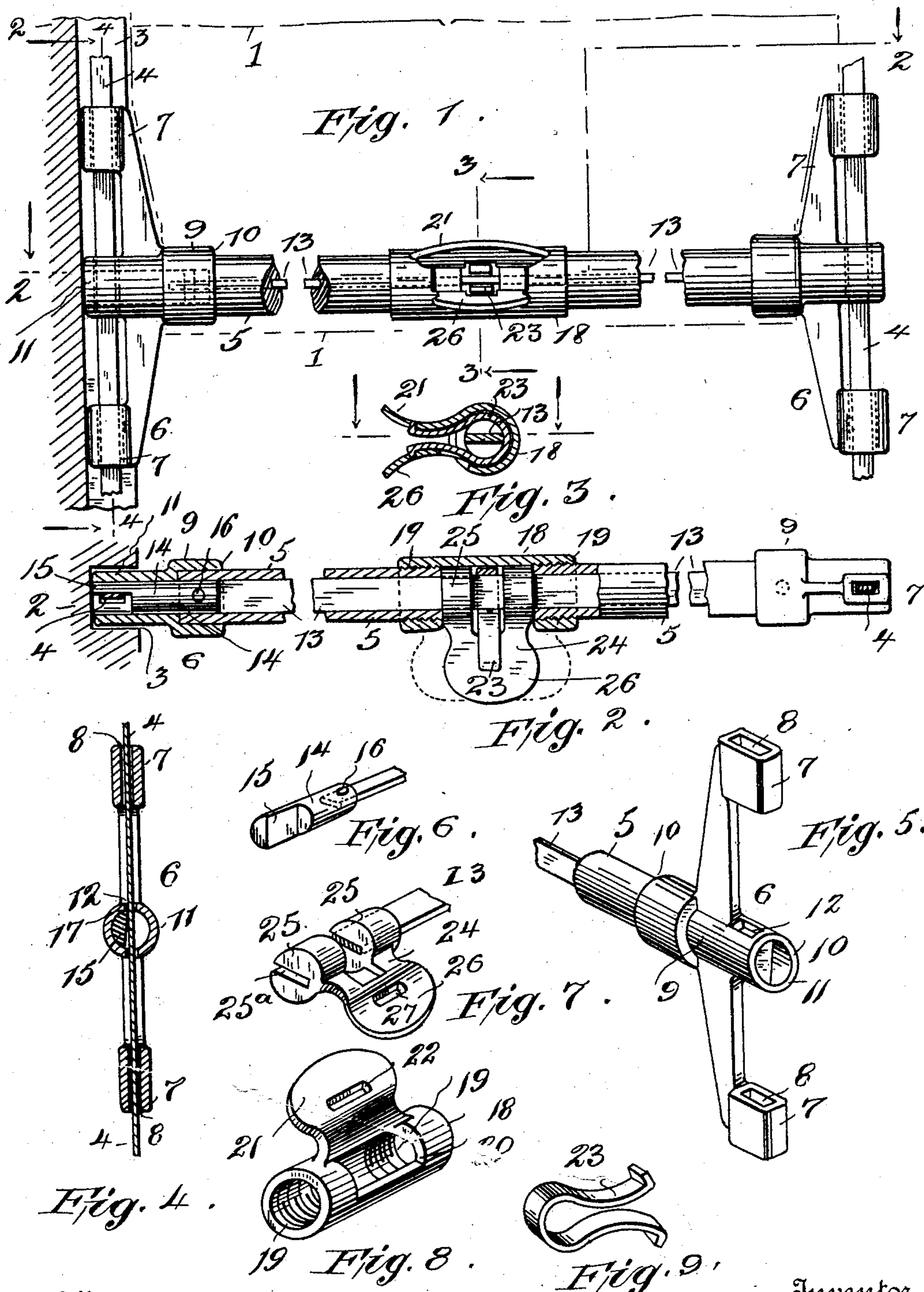


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C. K. PICKLES.  
CURTAIN ATTACHMENT FOR RAILWAY CARS.  
APPLICATION FILED JAN. 28, 1904.

NO MODEL.



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# UNITED STATES PATENT OFFICE.

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## CURTAIN ATTACHMENT FOR RAILWAY-CARS.

SPECIFICATION forming part of Letters Patent No. 774,952, dated November 15, 1904.

Application filed January 28, 1904. Serial No. 191,070. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES K. PICKLES, a citizen of the United States, and a resident of the city and county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Curtain Attachments for Railway-Cars, of which the following is a specification.

My invention resides in the novel construction of a rod and attachments adapted to be used in curtains for railway-cars or similar vehicles to hold the curtain in its proper vertical position and to guide and hold the same between the car-stanchions.

The details of construction and further objects of my invention will be hereinafter fully explained, and further pointed out in the claims.

In the drawings forming a part hereof, in which similar numerals of reference indicate corresponding parts, Figure 1 is a front elevation of a curtain attachment as applied between the stanchions of a car and partly contained within the lower hem of the curtain. Fig. 2 is a partial sectional view taken on the line 2 2 of Fig. 1 looking in the direction of the arrows. Fig. 3 is a section on the line 3 3 of Fig. 1 looking in the direction of the arrows. Fig. 4 is a section taken on the line 4 4 of Fig. 1 looking in the direction of the arrows. Fig. 5 is a perspective view of the guide-foot. Figs. 6, 7, 8, and 9 are perspective views of various parts of the mechanism.

In illustrating the use of my invention I have shown a portion of a car-stanchion 2, (in Fig. 1,) having a post-groove 3 provided with the usual longitudinal bands 4, being either round or flat, within the post-groove.

Attached to the lower hem of the curtain 1 is a casing 5 of simple tubular construction and may be made of two parts joined together at the center by a tubular connection hereinafter described. On each end of the casing are the two feet 6, which are provided with upper and lower vertical jaws 7, having apertures 8 therethrough, through which the hand 4 passes and guides the jaws, which are adapted to move in the post-grooves. The feet 6 are cylindrical at the center part 9 and are

connected at 10 with the casing to form a rigid guiding means for the casing. The center cylindrical part 9 extends outwardly at 11 substantially in line with the guiding-jaws 7, and in line with the apertures in said jaws is provided apertures 12 in the central cylindrical part to form a continuous line of openings for the band to pass through.

Within the casing I have provided a longitudinal rod 13, on the outer ends of which are provided the end pieces 14, having a semicircular end 15, formed by cutting the outer end longitudinally and which is adapted to revolve within the cylindrical portion of the feet. The end pieces 14 may be secured to the rod 13 by means of the pin 16 or in any preferred way. The ends 15 are adapted to lie in such a position that the band may pass through the apertures 8 and 12, and when the curtain is to be held against vertical stresses the rod 13 is revolved, so that the end pieces 15 are also caused to revolve until they are forced against the band at 17, thereby forming, together with the casing, a grip for the band to hold the casing and curtain in the proper vertical position.

As a means for operating the rod 13 special reference is to be had to the perspective views, in which is shown a tubular connecting-piece 18 for uniting the two casing-sections by means of the interior screw-threads 19 at each end thereof, the connecting-piece being cut away at 20 and provided with the upturned finger-piece 21, with an aperture 22 to receive a spring 23, which is illustrated in Fig. 9. Within the casing is a separate piece 24, which connects with the rod 13 by means of the jaws 25, having slots 25<sup>a</sup>, and is provided with an outwardly-turned finger-piece 26, also having an aperture 27 to receive one of the ends of the spring 23. The rod 13 may be made in one piece, as shown, or may be made in two parts.

The connecting-piece 24 is adapted to lie partly within the connecting-tube 18, so that the finger-piece 26 extends outwardly through the aperture 20, so that the finger-pieces 26 and 21 may be forced apart by means of the spring 23 and be held in that position nor-



mally, the rod being normally held in the position shown in Figs. 3 and 4.

When it is desired to raise or lower the curtain, the finger-pieces 26 and 21 are pressed together; thus causing the jaws 25 to be rotated within the casing, which likewise rotates the rod 13 until the end pieces 15 are released from contact with the bands 4.

Having described my invention, what I claim is—

1. In a car or similar vehicle, stanchions, vertical guide-bands, a curtain attachment guided by said bands, comprising a casing, a rod in the casing adapted to revolve, and means on the rod which will be forced laterally in contact with the bands, when said rod is revolved, and means for revolving the rod.

2. In a car or similar vehicle, having stanchions provided with grooves, guide-bands in said grooves, the curtain attachment guided by said bands, consisting of a casing, feet on the casing, a rod in said casing adapted to revolve, means on the end of the rod adapted to laterally force said bands in contact with the feet, and means for revolving the rod.

3. A car or similar vehicle, having stanchions with longitudinal grooves, bands in said grooves, a curtain attachment between the stanchions, comprising a casing, feet secured on the ends of the casing, said bands passing through said feet, rods in said casing adapted to revolve, and to grip the bands when revolved, and means for revolving said rods.

4. In a car having stanchions with longitudinal grooves, bands in said grooves, a curtain attachment between the stanchions, comprising a casing, feet on the ends thereof having apertures therein, a rod in said casing adapted to revolve in the feet, said rod being provided with a semicircular piece adapted to move into and out of contact with said bands, when the rod is revolved.

5. A car having stanchions, with grooves, bands in said grooves, a curtain attachment between the stanchions, comprising a casing, feet on the ends thereof through which said bands pass, the rods in the casing extending into the feet, a finger-piece connected with the said rods for causing them to rotate, the ends of the rods being adapted to be revolved and forced against the bands, and hold the curtain attachment in the desired vertical position.

6. In a car having stanchions, with longitudinal grooves, bands in said grooves, a curtain attachment, comprising a casing, feet on the ends thereof, apertures in the feet through which the bands pass, a rod in the casing, between the said apertures in the feet, having ends adapted to move concentrically of the axis of the rod, said ends being shaped so as to come into lateral contact with the said bands, when revolved, and means for revolving said rod.

7. A curtain attachment comprising a casing, feet on the ends thereof, apertures in the feet, guide-bands passing through said apertures, a rod in the casing, and having feet adapted to engage with the bands when revolved, a stationary finger-piece connected with the casing, a movable finger-piece connected with the said rod, and a spring to force the two finger-pieces apart.

8. A curtain attachment comprising a casing, feet on the casing having apertures there-through, guide-bands passing through said apertures in the feet, a rod in the casing having means to engage with the said bands when revolved, a lateral finger-piece connected with the rod, a stationary finger-piece in the casing, and a spring to force the finger-pieces apart.

9. A curtain attachment comprising a casing, feet, thereon, guide-bands passing through the feet, apertures in the feet to receive guide-bands, rods in said casing and feet, a finger-piece connecting the rods, a finger-piece connected with the casing, a spring to separate the two finger-pieces, the finger-piece being adapted to revolve the said rods when pressed together.

10. A curtain attachment comprising a casing, in two sections, feet secured to one end of each section, apertures in the feet, guide-bands passing through said apertures, rods in the casing and feet adapted to revolve and grip the guide-bands, a cylindrical piece joining the two casing-sections, and having a finger-piece and adjacent opening, a finger-piece connecting the two rods, and extending outwardly through the opening in the said cylindrical piece.

11. A curtain attachment comprising a casing, in two sections, feet secured to one end of each section, guide-bands passing through apertures in the feet, rods in the casing and feet adapted to engage the guide-bands, a cylindrical piece joining the two casing-sections, said piece having a finger-piece and an adjacent opening, a finger-piece connecting said rods and extending outwardly through the opening in said cylindrical piece, and a spring in the latter engaging with each of the said finger-pieces and adapted to force them apart.

12. A curtain attachment comprising a casing, feet secured thereto, having apertures, the guide-bands passing through said apertures, rods in the casing adapted to engage with the said bands, a finger-piece secured to the casing, an opening adjacent said finger-piece, a second finger-piece having jaws secured to the said rods; and a spring lying between said jaws and adapted to force said finger-pieces apart.

13. In a car having side posts or stanchions, provided with grooves, bands within the grooves, a curtain having an attachment guided by said bands, composed of a casing, feet attached thereto, apertures in the feet



through which said bands pass, oscillating means in said feet for engaging with said bands to prevent vertical movement of the feet, and means for operating said engaging means.

5 14. In a car having side posts or stanchions, provided with grooves, bands within the grooves, a curtain having an attachment guided by said bands, composed of a casing, feet attached thereto, alining apertures in  
10 the feet through which said bands pass, oscillating means in said feet for engaging with

said bands to prevent vertical movement of the feet, and means for operating said engaging means.

Signed in the city and county of Philadelphia, State of Pennsylvania, this 25th day of January, 1904.

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Witnesses:

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