Aug. 2, 1927. 1,637,588

A. T. POTTER ET AL

FOOT REST

Filed Jan. 7, 1924

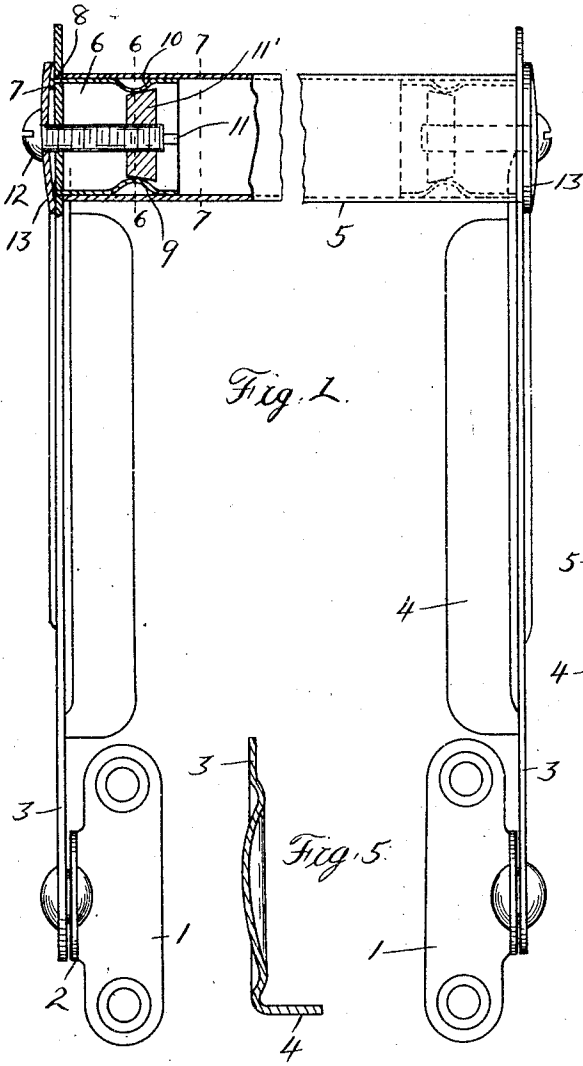


Fig. 1.

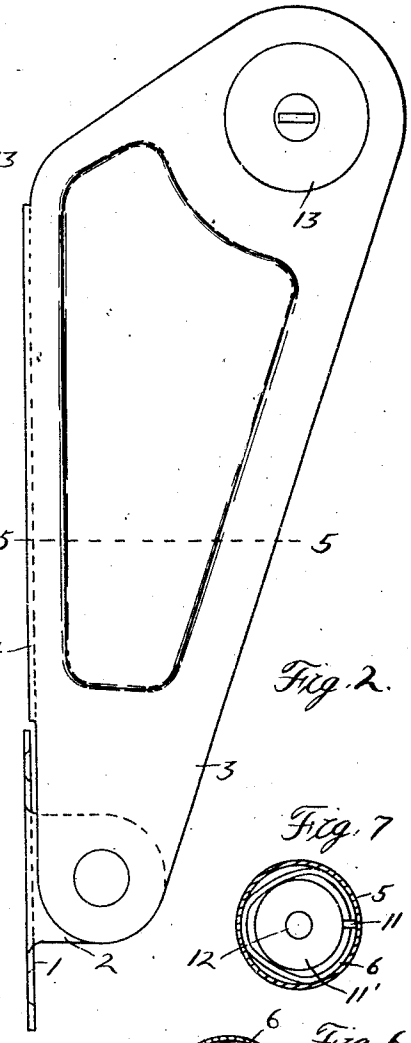


Fig. 2.

Fig. 5.

Fig. 7.

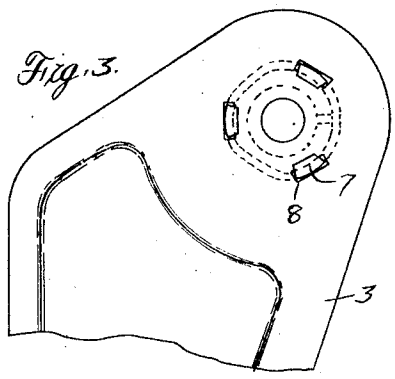


Fig. 3.

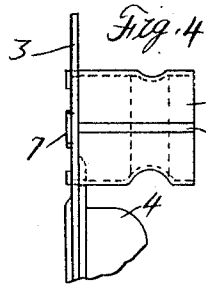


Fig. 4.

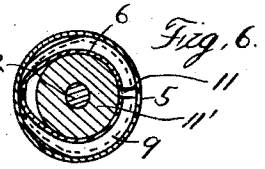


Fig. 6.

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UNITED STATES PATENT OFFICE.

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FOOT REST.

Application filed January 7, 1924. Serial No. 684,856.

This invention relates to foot rests and refers more particularly to foot rails of the swingingly mounted type.

One of the essential objects of the invention is the provision of a foot rail of this type that may be finished up independently of its support.

Another object is to provide a simple and inexpensive connection between the foot rail and its support which will permit of these parts being assembled without marring or defacing the same.

With the above and other objects in view, the invention consists of certain novel features of construction, combinations and arrangements of parts as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawing:

Figure 1 is a sectional top plan view of a foot rest embodying our invention;

Figure 2 is an end elevation thereof;

Figure 3 is a view similar to Figure 2 with the concealing plate and securing means;

Figure 4 is a top plan view of the construction shown in Figure 3;

Figure 5 is a sectional view taken on line 5—5 of Figure 3;

Figures 6 and 7 respectively are sectional views taken on lines 6—6 and 7—7 of Figure 1.

Referring now to the drawing in which like characters of reference designate corresponding parts throughout the several views, the numeral 1 designates a pair of plates that are preferably secured at spaced points to the floor of a vehicle body and that are provided with upstanding lugs 2 to which a pair of parallel brackets 3 are pivoted. These brackets are preferably substantially triangular in shape and are provided at one edge with laterally extending flanges 4 forming feet for engagement with the floor of the vehicle body when the foot rest is in use.

The foot rail 5 is preferably in the form of a seamless tube that is supported upon a pair of tubular sleeves 6 extending inwardly from the inner faces of the brackets 3. These sleeves preferably fit within the opposite ends of the rail 5 and are provided with tongues 7 that extend through openings 8 in the brackets 3 and that are rigidly secured thereto by being bent over or clamped against the outer faces of the brackets.

In order that the rail 5 may be detachably secured to the sleeves, the latter are preferably provided with circumferential depressions 9 forming internal angularly arranged shoulders 10 and are slit longitudinally as shown at 11 so that the outer surfaces of the sleeves 6 may be expanded against the inner walls of the rail 5. For expanding the sleeves, we preferably provide substantially frustro-conical wedges 11 that fit within the sleeves and that are adapted to bear against the shoulders 10. The members 11 are adapted to be moved into wedging engagement with the shoulders 10 of the sleeves by means of screws 12 that threadedly engage the members 11 and that extend through the brackets 3. The screws are also adapted to clamp a pair of concavo-convex plates 13 against the outer faces of the brackets 3 to conceal the bent over portions of the tongues 7.

In the process of construction, the plates 1 and 13 respectively, brackets 3, and sleeves 6 are preferably assembled together and then painted or enameled the desired color. The rail 5 is nickel-plated and polished or otherwise finished and is then slipped over the sleeves 6 and subsequently clamped thereto by adjusting the screws 12 in the wedging members 11. Thus, the rail may be finished up independently of the supports and may be attached thereto without being marred or defaced. This assembly also precludes the likelihood of the paint or enamel on the supports becoming damaged. This assembly also permits of the replacement of the rail without the necessity of refinishing the support therefor.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, we desire to have it understood that we do not limit ourselves to what is herein shown and described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What we claim as our invention is:

1. In a foot rest, a support, an expansible member, means for rigidly securing said expansible member to said support, a foot rail telescopically engaging said member, and means independent of said first mentioned means for expanding said member for detachably securing said rail thereto.

2. In a foot rest, a support, a longitudinally slit expansible sleeve secured to said sup-

port, a foot rail telescopically engaging said sleeve, a shoulder formed on said sleeve and means extending through said support and engaging said shoulder for expanding said sleeve to detachably secure said rail thereto.

3. In a foot rest, the combination with a foot rail and a support therefor, of a tubular member projecting from one side of said support carrying said rail, means for securing said member to said support, including a tongue at one end of the member projecting through the support, and means for concealing said securing means.

4. In a foot rest, the combination with a foot rail and a support therefor, of an expansible member projecting from the support and telescopically engaging the rail, an element for expanding said member to secure said rail thereto, means for securing said member to said support, means for concealing said securing means, and means for actuating said expanding element and holding said concealing means in position.

5. In a foot rest, the combination with a foot rail and a support therefor, of an expansible member projecting from the support and telescopically engaging the rail, a wedge adapted to expand said member to secure said rail thereto, means for securing said member to said support, means for concealing said securing means, and means for actuating said expanding wedge and holding said concealing means in position.

6. In a foot rest, the combination with a foot rail and a support therefor, of an expansible member projecting from the support and telescopically engaging the rail, an element adapted to expand said member to secure said rail thereto, tongues for securing said member to said support, means for concealing said tongues, and means for actuating said expanding element and holding said concealing means in position.

7. In a foot rest, the combination with a foot rail and a support therefor, of an expansible member projecting from the support and telescopically engaging the rail, an element adapted to expand said member to secure said rail thereto, means for securing said member to said support, a plate for concealing said securing means, and means for actuating said expanding element and holding said plate in concealing position.

8. In a foot rest, the combination with a foot rail and a support therefor, of an expansible member projecting from the support and telescopically engaging the rail, an element adapted to expand said member to secure said rail thereto, means for securing said member to said support, a plate for concealing said securing means, and a headed element passing through said support and adapted to actuate said expanding element and to hold said plate in concealing position.

9. In a foot rest, the combination with a supporting bracket, and a foot rail, of an expansible member projecting laterally from the bracket telescopically engaging the rail, and means detachably securing the rail to the expansible member including a cam surface formed on the expansible member, a member engageable with said cam surface for expanding the expansible member, and an element extending transversely of the bracket for actuating said expanding member.

In testimony whereof we affix our signatures.

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