Dec. 4, 1923. 1,476,592

I. E. CARLSON

FOOT REST

Filed Feb. 3, 1923

Fig. 1.

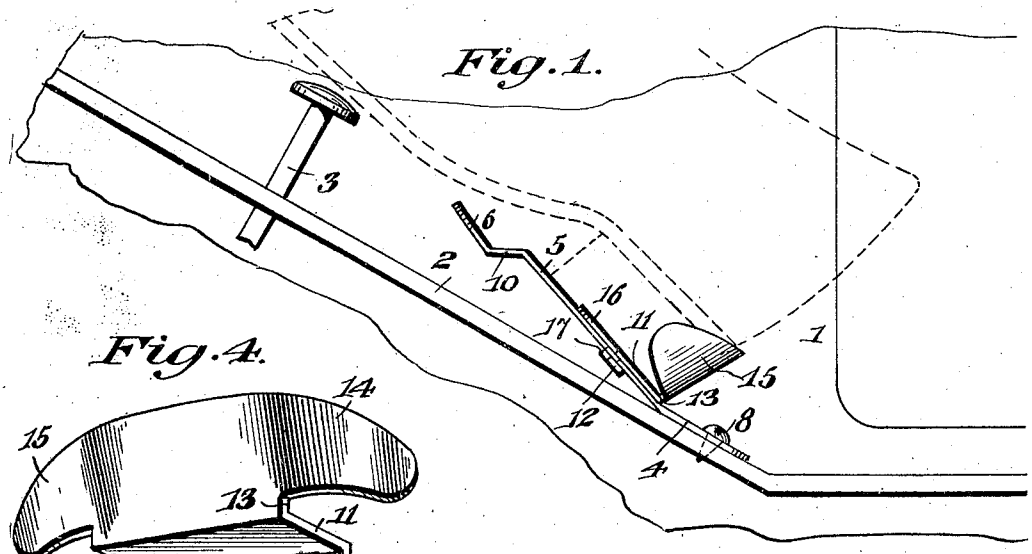


Fig. 4.

Fig. 2.

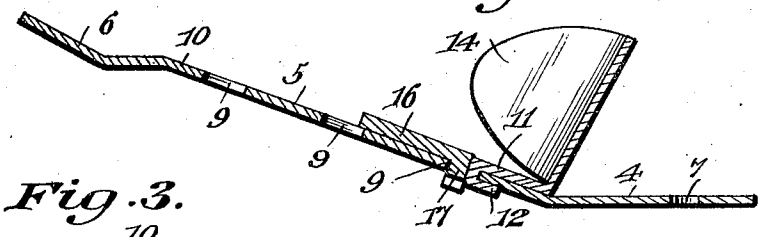


Fig. 3.

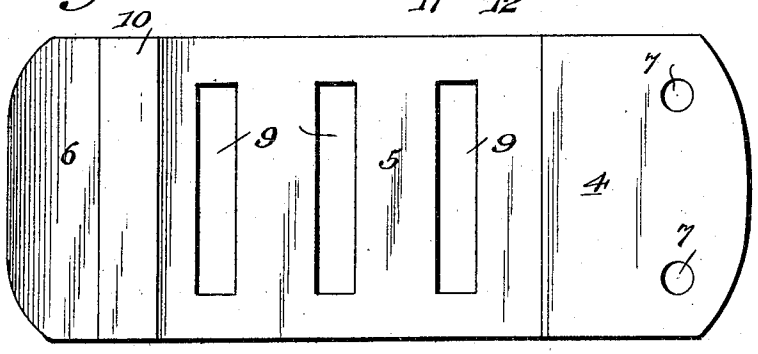
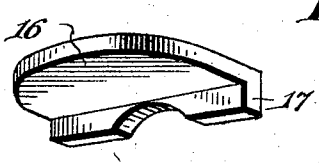


Fig. 5.



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UNITED STATES PATENT OFFICE.

IDDO E. CARLSON, OF ELKHART, INDIANA.

FOOT REST.

Application filed February 3, 1923. Serial No. 616,800.

To all whom it may concern:

Be it known that I, IDDO E. CARLSON, a citizen of the United States, residing at Elkhart, in the county of Elkhart and State of Indiana, have invented certain new and useful Improvements in Foot Rests, of which the following is a specification.

This invention relates to foot rests, designed primarily for use in connection with the accelerators of motor vehicles, but it is to be understood that the foot rest, in accordance with this invention, can be employed in connection with any purposes wherein it is found applicable, and the invention has for its object to provide in a manner as hereinafter set forth, a foot rest for supporting, as well as positioning, the foot of the operator at an angle at all times over the accelerator thereby providing for the convenient operation of the accelerator when desired.

A further object of the invention is to provide in a manner as hereinafter set forth, a foot rest having means whereby it can be conveniently adjusted for supporting and properly positioning feet of different sizes with respect to the accelerator of the motor vehicle so that the accelerator can be conveniently operated when desired.

Further objects of the invention are to provide a foot rest for the purpose set forth which is simple in its construction, strong, durable, compact, adjustable, efficient in its use, providing for the convenient operation of an accelerator of a motor vehicle, readily set up with respect to the accelerator, and comparatively inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists in the novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to, which fall within the scope of the claims hereunto appended.

In the drawings, wherein like reference characters denote corresponding parts throughout the several views:—

Figure 1 is a side elevation illustrating the foot board of a motor vehicle, as well as the accelerator, and further showing the adaptation of a foot rest in accordance with this invention with respect to the accelerator.

Fig. 2 is a longitudinal sectional view of the foot rest.

Fig. 3 is a top plan view of the foot rest, with the holding member removed.

Fig. 4 is a rear elevation of the holding member.

Fig. 5 is a perspective view of the locking element.

Referring to the drawings in detail, 1 denotes the body portion of a vehicle, 2 the foot board, and 3 the accelerator which extends through the foot board 2.

A foot rest, in accordance with this invention, comprises a base member formed from a metallic plate which is rectangular in contour and consists of a lower end portion 4, an intermediate portion 5, and an upper end portion 6. The lower end portion 4 is provided with a plurality of openings 7, for the passage of holdfast devices 8, to secure the base member to the foot board 2 of the vehicle. The intermediate portion 5 extends at an upward inclination with respect to the lower end portion 4, and is provided with a series of transversely extending rectangular slots 9. The forward terminal portion of the intermediate portion 5 is bent downwardly at an inclination, as at 10, and terminates in the upper end portion 6, the latter extending in a plane parallel to the plane of the intermediate portion 5.

Adjustably mounted on the intermediate portion 5, of the base member, is a holding member consisting of a rectangular plate 11, which is mounted on the intermediate portion 5, and has its forward end terminating in a depending angle shaped flange 12, and which is so arranged as to extend through a slot 9 and overlap the lower face of the intermediate portion 5, whereby the plate 11 is connected to the intermediate portion 5, and prevented from rearward movement with respect thereto. The rear of the plate 11, is formed with a vertically disposed and rearwardly inclined extension 13 which provides the back of the holding member, and said extension 13 has formed integral therewith a pair of oppositely extending and forwardly projecting curved arms 14, 15.

The holding member is secured to the intermediate portion 5 of the base member, through the medium of a locking element consisting of a heel plate 16, having a rearwardly disposed flange 17, which extends through a slot 9 and is arranged in abutting

engagement with respect to the flange 12, as clearly shown in Fig. 2, and when the locking element is positioned in such manner, the holding member will be prevented from shifting forwardly or rearwardly on the base member, under such conditions, the holding member is detachably connected to the base member.

The slots 9 provide for the adjustably positioning of the holding member on the intermediate portion 5 of the base member to provide for feet of different sizes. The holding member provides an abutment for the back of the shoe and the arms 14, 15, in connection with the extension 13, surround the back of the shoe of the operator when the foot is mounted on the base member.

As the intermediate portion 5 and upper end portion 6 extend at an upward inclination, the foot is supported permanently at an inclination and owing to the position of the foot rest with respect to the accelerator 3, when the operator's foot is mounted in the foot rest, it will be supported at an inclination and extend over the accelerator whereby the latter can be conveniently operated when occasion so requires.

The base member is constructed of metallic material of the necessary rigidity to prevent the accidental bending downwardly of the intermediate portion by the pressure of the foot of the operator. As the locking element is detachably mounted in the base member, and that the holding member is also detachably mounted in the base member, the said locking member and holding member can be conveniently shifted, when occasion so requires, to provide for different sizes of feet. The heel of the foot of the operator normally resting on the locking element and also the plate 11, will tend to retain the holding member, as well as the locking member in position.

From the foregoing description, taken in connection with the accompanying drawings, a foot rest is set up which will not only support the foot of the operator, but will permanently position the foot of the operator at an angle at all times over the accelerator, and under such conditions the latter can be conveniently operated, when occasion so requires, and although the drawings illustrate the preferred embodiment of the invention, yet it is to be understood that changes in the details and construction can be had, without departing from the spirit of the invention as claimed.

What I claim is:—

1. A foot rest comprising a base member formed of an intermediate portion and upper and lower end portions, said lower end portion adapted to be fixed to a support, said intermediate and upper end portions disposed at an upward inclination with respect to the lower end portion, a holding member connected to said intermediate portion, and a locking element engaged in said intermediate portion and cooperating with said holding member.

2. A foot rest comprising a base member formed of an intermediate portion and upper and lower end portions, said lower end portion adapted to be fixed to a support, said intermediate and upper end portions disposed at an upward inclination with respect to the lower end portion, a holding member connected to said intermediate portion, and a locking element engaged in said intermediate portion and cooperating with said holding member, said intermediate portion having means to provide for the adjustably connecting of said holding member and locking element therewith.

3. A foot rest comprising a base member having an upwardly inclined portion, a flanged holding member adjustably mounted in the inclined portion of said base member, and a flanged locking element mounted in the inclined portion of the base member and cooperating with said holding member.

4. A foot rest comprising a base member having an upwardly inclined portion, a flanged holding member adjustably mounted in the inclined portion of said base member, and a flanged locking element mounted in the inclined portion of the base member and cooperating with said holding member, said holding member including a pair of forwardly projecting and oppositely disposed curved arms.

5. A foot rest comprising a base member having an upwardly inclined slotted portion, a holding member detachably mounted upon and overlapping said inclined portion, and a locking element mounted upon and extending through said inclined portion and abutting against said holding member.

6. A foot rest comprising a base member having an upwardly inclined slotted portion, a holding member detachably mounted upon and overlapping said inclined portion, and a locking element mounted upon and extending through said inclined portion and abutting against said holding member, said holding member including an upwardly disposed and rearwardly inclined extension provided with a pair of forwardly projecting curved arms.

In testimony whereof, I affix my signature hereto.

IDDO E. CARLSON.