June 21, 1938. J. FISCHER 2,121,144

BRACKET

Filed Dec. 2, 1937

Fig. 1.

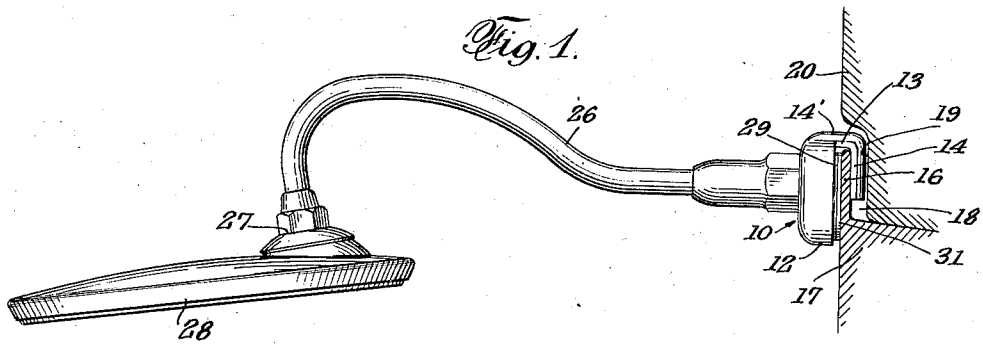


Fig. 2.

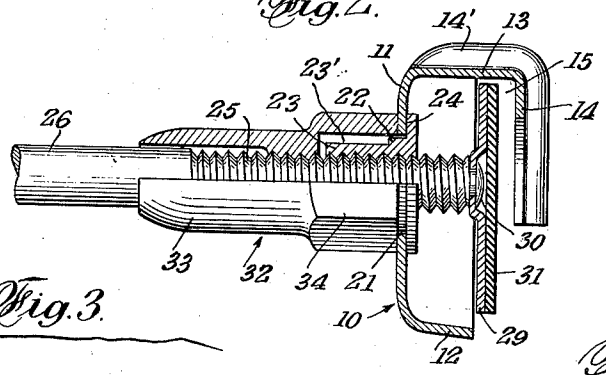


Fig. 3.

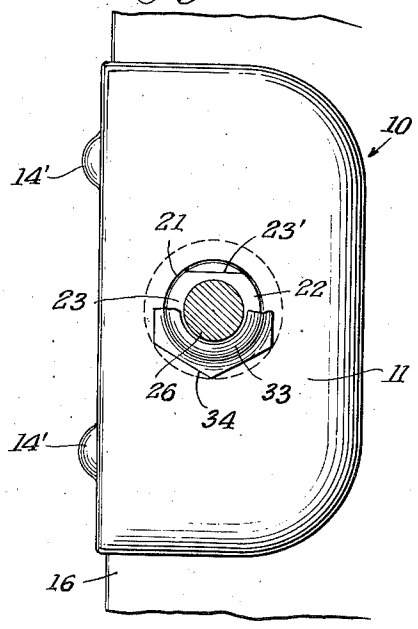
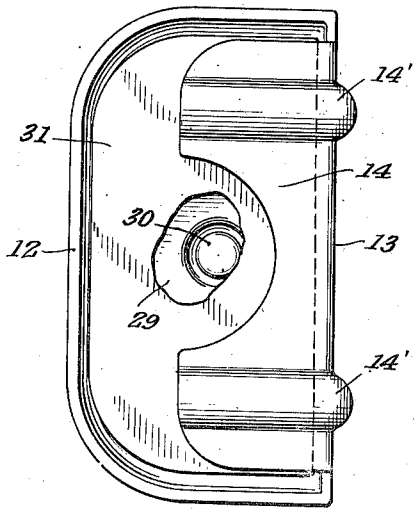


Fig. 4.



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Patented June 21, 1938 2,121,144

UNITED STATES PATENT OFFICE

2,121,144

BRACKET

Joseph Fischer, New York, N. Y.

Application December 2, 1937, Serial No. 177,675

2 Claims. (Cl. 248—226)

My present invention relates to brackets and aims to devise a device of the general character indicated which is simple in construction, easy and economical to fabricate and assemble, and which is admirably adapted to perform the intended functions as hereinafter set forth.

In the accompanying specification, I shall describe and in the annexed drawing show an illustrative embodiment of the bracket of the present invention. It is, however, to be clearly understood that I do not wish to be limited to the exact details of construction which are herein shown and described for the purpose of illustration only.

In the accompanying drawing, Fig. 1 is a partial transverse sectional, partial top plan view showing the manner in which the device of the present invention is affixed to a support.

Fig. 2 is an enlarged, partial longitudinal sectional, partial side elevational view of the attaching portion of the aforesaid illustrative embodiment of the present invention.

Fig. 3 is an end view of the same looking from the outside, and

Fig. 4 is a similar view looking from the opposite side.

Before describing my invention in detail, I deem it advisable briefly to refer to the prior art to which the present invention relates, the disadvantages thereof, and the manner in which the present invention overcomes and eliminates the same.

While not limited thereto, my present invention has particular application to supports for carrying rear-view mirrors used in connection with motor vehicles. I have found that the brackets presently existing and used for similar purposes are inadequate and inefficient in that they do not present any fool-proof means for affixing the same to the vehicle so as to prevent the accessory that it supports from being stolen. Furthermore, the existing devices are more or less complicated in structure and mode of assembly, and are not very pleasing to the eye.

The present invention overcomes and eliminates these disadvantages by providing a bracket, adapted to support a mirror or other automobile accessory, which becomes speedily affixed to the vehicle by very simple operations, and when once affixed, cannot be stolen, and which is very simple and pleasing to the eye. Other objects and advantages of the brackets of the present invention will become obvious to those skilled in the art as the detailed description thereof progresses.

Referring now more particularly to the aforesaid illustrative embodiment of the present invention, and with particular reference to the drawing illustrating the same, the numeral 10 generally designates a shallow casing which includes an outer wall 11 and side walls 12, the inner portion being partially open as will hereinafter become more fully understood. One of the side walls 12 is extended as at 13 and is bent at right angles so as to prevent an inner wall 14 separated from the casing 10 by a space 15. In order to add to the strength of the extended side wall and the inner wall, I provide ribs 14'.

In applying the casing 10 to the body of the vehicle, the space 15 becomes receptive of the flange 16 of the door 17, the inner wall 14 of the casing 10 fitting into the space 18 presented between the offset portion 19 of the body 20 and the flange 16 of the door 17. It is to be understood that the bracket of the present invention is affixed to the door of the vehicle at the point where the hinged edge of the door meets the hinged edge of the body of the vehicle. Thus, when the door is closed, and that is the position that it is shown in, in Fig. 1 of the drawing, it is impossible to dislodge the casing 10, thus preventing the device from being stolen.

The outer wall 11 of the casing 10 is provided with a central opening 21 receptive of the shoulder 22 of a collar 23 which is provided with a flat 23', to permit its manipulation with a wrench, and a flange 24, in contact with the inner surface of the outer wall 11.

The collar 23 is threadedly engaged on the inner portion 25 of a rod 26, the outer end of which is adapted to carry, through a universal joint 27, a rear-view mirror 28 or any other automobile accessory.

Slidable within the casing 10 is a plate 29 pivotally mounted upon the end of the rod 26 by means of a rivet 30, the outer surface of the plate 29 being covered by a rubber pad 31 adapted to engage the outer surface of the flange 16 of the door 17 to hold the device in place.

The device is completed by a lock nut 32 which is threadedly engaged with the inner portion 25 of the rod 26 and which consists of a sleeve portion 33 adapted to conceal the threads on the rod 26 and a casing portion 34 adapted to receive the collar 23 and conceal the same, and also adapted to bear against the outer surface of the outer wall 11 so as to prevent the rod 26 from being rotated once the device is affixed in place.

This completes the description of the aforesaid illustrative embodiment of the present invention and the mode of assembly may be briefly sum-

marized as follows. With the door 17 open, so as to present a wide space between the same and the body 20 of the vehicle, the casing 10 is engaged with the door 17 by housing the flange 16 within the space 15 presented between the inner wall 14 and the casing 10. While holding the casing in this position, the collar 23 is rotated with a wrench so that the rod 26, which is threadedly engaged with the collar, is drawn inwardly into the casing 10 and toward the outer surface of the door 17. This process is continued until the plate 29 is tightened against the flange 16 of the door, the plate 29 and the inner wall 14 acting as a vise to firmly grip the flange 16. The rod 26 is then adjusted by rotation so that the rear-view mirror 28 or any other accessory carried thereby is properly positioned with respect to the driver of the vehicle. And when this is done, the lock nut 32 is rotated until it houses the collar 23 and its inner surface bears against the outer surface of the outer wall 11 so as to lock the rod 26 against further rotation. The device is then in position for use.

It will be noted that the bracket is simple in construction, is very easy to affix in position, presents a pleasing appearance and, when the door of the vehicle to which it is affixed is closed, cannot be removed.

Other advantages of the device of the present invention will be obvious to those skilled in the art to which the present invention relates.

What I claim as my invention is:

1. A bracket comprising a casing provided with a wall spaced therefrom to receive a support therebetween, means to affix said casing to said support, said means including a plate slidable in said casing, and adapted to abut said support, a threaded rod carrying said plate, means cooperable with said rod and said casing to move said plate toward or away from said support without rotation of said rod, and a lock nut threadedly engaged on said rod and provided with a portion cooperable with the outer surface of said casing to lock said rod against rotation.

2. A bracket comprising a casing provided with a wall spaced therefrom to receive a support therebetween, and means to affix said casing to said support, said means including a plate slidable in said casing, and adapted to abut said support, a threaded rod carrying said plate, a collar threadedly engaged on said rod and provided with a flange cooperable with the inner surface of said casing to move said plate toward or away from said support, and a lock nut threadedly engaged on said rod, provided with a housing portion to conceal said collar and cooperate with the outer surface of said casing to lock said rod against rotation.

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