H. R. SEAVEY.

ADJUSTABLE PLATE HANGER.

APPLICATION FILED DEC. 13, 1907.

907,706. Patented Dec. 22, 1908.

Fig. 1.

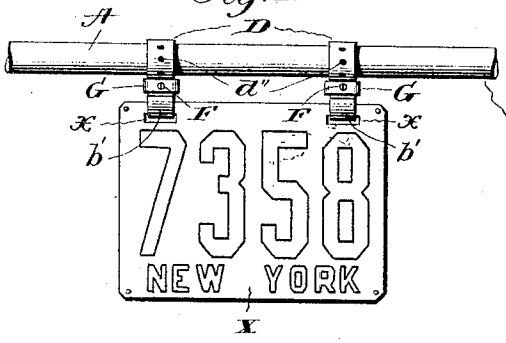


Fig. 2.

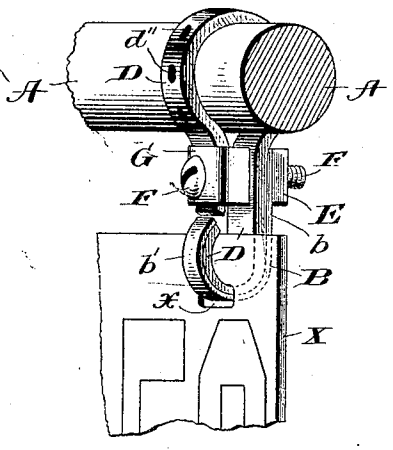


Fig. 3.

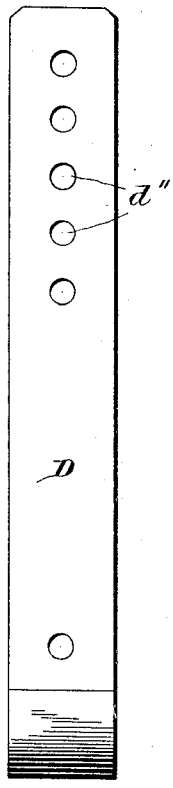


Fig. 4.

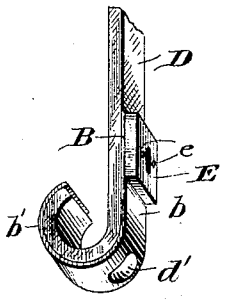


Fig. 5

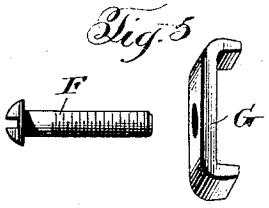


Fig. 6.

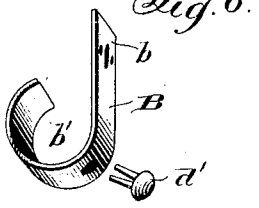


Fig. 7.

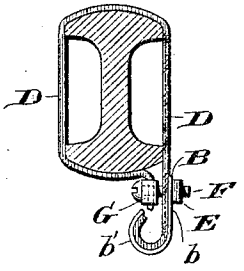
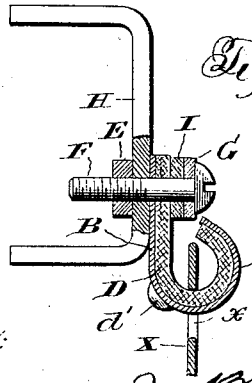


Fig. 8.



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UNITED STATES PATENT OFFICE.

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ADJUSTABLE PLATE-HANGER.

No. 907,706. Specification of Letters Patent. Patented Dec. 22, 1908.

Application filed December 13, 1907. Serial No. 406,358.

To all whom it may concern:

Be it known that I, HARRY R. SEAVEY, a citizen of the United States, residing at Portland, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Adjustable Plate-Hangers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to plate supports, and has particular reference to such a support or hanger adapted to be applied to motor vehicles or the like, the plate to contain the number or other information which it is desired to expose to view. Heretofore, plates of this character have been attached to the vehicle by means of ordinary skate straps and the like, but these have proven unsatisfactory for many reasons, among which may be noted the continual sliding of the plates about the rod to which they are applied thus making them a nuisance, and the tendency of the straps to wear off readily.

Therefore it is the primary object of this invention to do away with such fixtures and to provide one pleasing in appearance, and capable of withstanding the wear and tear incident to the intended use, and to present a hanger which though detachable will, when applied, maintain a fixed relation to its support.

Means are also provided whereby the attachment may be used in connection with the bars of beams or any of the usual types of motor vehicles, the same including adjustable securing means for the attachment.

More particularly, the invention includes a metallic support for the plate so constructed as to prevent accidental separation of the plate therefrom, and adjustable means for securing the support in position.

The invention also comprises means, in connection with a support of the character described, for preventing rattling of the plate in its swinging movement relative to said support.

Other improvements and minor details in the arrangement and construction of the parts will be more particularly pointed out in the detailed specific description below which, for a clear understanding of the device should be considered in connection with the accompanying drawings, forming a part hereof, and wherein like reference characters denote corresponding parts throughout the several views.

In the said drawings, Figure 1 is a front elevation of my device applied to the bar or beam of a motor vehicle or the like. Fig. 2 is a perspective view of the same. Figs. 3, 4, 5 and 6 are detail views of parts of the device detached. Fig. 7 is a side elevation disclosing the attachment applied to a bar or beam I-shaped in cross-section, and Fig. 8, is a slightly modified form disclosing the device applied directly to the steel frame of a car.

Referring now more particularly to the said drawings, A represents one of the bars or beams carried by a motor vehicle or the like, the same being shown as round in cross section in Figs. 1 and 2, and I-shaped in Fig. 7. Adapted to be applied to this bar or beam A, in a manner to be hereinafter described, is the plate hanger or support comprising the following parts: B is a firm support formed preferably of spring metal and consisting of an elongated flat portion *b* having at its lower end a return bend portion *b'* curved to constitute a retaining means. This support B is connected to the bar A by means of a flexible strap D conveniently formed of leather, the strap being seated within the curved portion and secured thereto at *d* by the rivet *d'*. This securing means *d'* should be detachable, whereby the strap may be replaced, if necessary. The strap being flexible, it will follow the outline of the member B, and the same is formed of sufficient length to encircle or surround the bar A. The free end of the strap has a series of perforations *d''*, one of which, according to the size of the bar, is adapted to be engaged by the securing means. This securing means includes a nut E riveted at *e* to the outer surface of the member B adjacent the upper end of the latter, and has a threaded opening for the reception of a bolt F which is of a length to pass through one of the perforations at the free end of the strap D and an opening in the portion of the latter secured to the member B. Arranged between the head of the bolt F and the free end of the strap is a metallic bearing plate or cap G flanged at its opposite ends to overlap the edges of the free end of the strap.

From the description above, it will be seen that the bolt may engage any of the apertures at the free end of the strap, there-

by rendering the device serviceable in connection with different sizes and forms of bars and when screwed home will hold the strap and parts attached thereto immovably on the bar. The metallic member B constitutes a firm support for the plate X to be exposed and that portion of the strap in the curved portion constitutes a pad and prevents rattling of the plate, which latter is loosely applied through the medium of an elongated slot *x*. Of course it may be desired to employ a plurality of hangers for each plate, one on opposite sides thereof, as illustrated in Fig. 1. Again by reason of the peculiar shape of the curved portion *b'* of the member B, while the same permits a relative movement for the plate, the latter cannot become accidentally disengaged and lost, it being noted that the upper end of the projection *b'* extends to a point adjacent the securing means for the strap, and the free end of the latter, constitutes in effect, a continuation of said projection *b'*.

It is sometimes desirable to apply the attachment directly to the frame of the vehicle, when, and in which event, the type of attachment disclosed in Fig. 8 is employed. In the said figure, the encircling or free end of the strap D is done away with, and the bolt F is passed directly through an opening in the pressed steel frame H. The operation is similar to that previously described, except that the nut E need not be securely riveted to the frame H, and a washer I suitably formed of leather is inserted between the cap G and strap D.

Having thus described the invention, what is claimed as new and desired to be covered by Letters Patent is:

1. A supporting attachment for the number plates of motor vehicles, having a hook with a mouth for the insertion of a plate, a strap secured to the hook and having an extended portion for engagement with a part of the vehicle, and means for securing the end of said extended portion of the strap in place whereby the same will substantially close the mouth of the hook.

2. In an attachment of the character described, the combination of a metallic member having its lower end bent back upon itself to constitute a retaining means, a pad fitting over the inner surface of the metallic member and retaining means and secured in position, the end of said pad and said bent back portion of the metallic member being spaced from the body portion of the metallic member for the ready insertion and withdrawal of a number plate or the like, and said pad having an extended strap portion for engaging a part of a vehicle, and means for securing the free end of said strap portion to the metallic member whereby the same will constitute in effect a continuation of the bent back portion of the metallic member.

3. In an attachment of the character described, the combination of a substantially rigid member having a retaining projection, a number plate on said projection, an adjustable flexible strap for applying the rigid member to the vehicle, means for securing one end of the strap to the rigid member, and means operatively connected with the opposite end of the strap for preventing accidental withdrawal of the plate.

4. A support for a number plate comprising a hook portion, a strap adapted to be passed around a bar or the like, means for connecting the free end of the strap to the hook portion, the said means being adjustable and having associated means for retaining it in adjusted position.

5. A support for a number plate comprising a substantially rigid member, a hook carried by the member, a strap secured to the member adapted to be passed around a bar or the like, and retaining means carried by the member for said strap, said means being adjustable for adjusting the holding length of the strap, with associated means for holding the parts in adjusted position.

6. In combination, a support having a hook, a strap secured at one end to the support and bent to fit the hook, which latter is adapted for the reception of a number plate or the like, the opposite end of the strap forming a support for engagement with a vehicle, and means for engaging the opposite end whereby it will constitute a continuation of the hook.

7. A supporting attachment for number plates comprising a rigid hook member, a pad thereon, and means for mounting the hook member on a suitable support including metallic plates one on the outside of the pad and one on the outside of the hook member respectively and a threaded bolt engaging alined apertures in each of said parts, and permitting adjustment of said plates.

8. In an attachment of the character described, the combination of a metallic member having a retaining projection for the reception of a number plate, the said plate, and a strap secured at one end to said member adapted to pass round a bar of a vehicle, in combination with means for securing the opposite end of the strap to the member comprising a nut fixed to the outer surface of said member, a plate overlapping the opposite end of the strap and a threaded bolt engaging alined apertures in said member, strap, nut and plate.

9. An attachment of the character described, comprising a supporting member having a hook, a number plate having a longitudinal slot intermediate its sides loosely engaging over said hook, and a strap secured at one end to the supporting member and adapted to pass round a vehicle bar, and a device applied to said member for adjustably

securing the opposite end of the strap thereto after engaging the vehicle bar, whereby said opposite end will constitute in effect a continuation of the hook.

10. A device of the character described, comprising a bar, a supporting member having a hook thereon, a number plate having a slot intermediate its sides loosely engaging over the hook, a strap secured at one end to the supporting member and arranged to pass round said bar, the said strap having a series of apertures at its free end, and a device secured to the supporting member for engaging one of said apertures and thereby secure the member in place, means whereby the device may be adjusted to take up play after the same has engaged the aperture of the strap, and associated means for holding the last mentioned means in adjusted position.

11. In an attachment of the charatcer described, a relatively rigid plate with a retaining projection at its lower end, a flexible strap, secured to the plate and projection thereabove for engagement with a supporting bar or the like, the strap having apertures at its free end, and an adjustable bolt arranged to engage one of said apertures at the free end of the strap and engage an aperture in said plate.

12. An attachment of the character described, comprising a relatively rigid plate with a retaining projection at its lower end, a flexible strap secured to the plate and projecting thereabove for engagement with a supporting bar or the like, the strap having apertures in its free end, and a bolt arranged to engage one of said apertures at the free end of the strap and pass through the body of the strap, and said bolt having an adjustable connection with the plate.

13. An attachment of the character described, comprising a relatively rigid plate having a retaining projection at its lower end, a flexible strap secured to said plate and having a free end projecting beyond the upper end of the plate to engage a suitable support, a nut secured to the outer surface of the plate, the free end of the strap having an aperture, and a bolt arranged to pass through said aperture and an aperture in the plate and adjustably engage said nut.

14. An attachment of the character described, comprising a supporting plate having a hook-shaped projection at its lower end, a strap projecting beyond the upper end of the plate and adapted to engage a suitable support, a cap plate arranged to engage over the outer surface of the projecting end of the strap, and a bolt arranged to engage said strap and pass through the projecting end of the strap and engage said plate.

15. An attachment of the character described, comprising a supporting plate having a hook-shaped projection at its lower end, a strap secured to the plate and having a free end projecting thereabove, and means for adjustably securing the free end of the strap to said plate comprising an engaging nut secured to the outer surface of the plate, a cap plate arranged to engage the outer surface of the free end of the strap, and adjustable means arranged to engage said nut and plate respectively.

16. An attachment of the character described, comprising a plate having a retaining hook thereon, a strap extending over the inner surface of the plate and hook to constitute a pad therefor, which said strap has a free end projecting above the plate, and means for securing the free end of the strap to the plate at a point adjacent the opposite end of the strap comprising a nut secured to the outer surface of the plate, a cap plate arranged to engage the outer surface of the free end of the strap and adjustable means arranged to engage said nut and cap plate respectively.

17. An attachment of the character described, comprising a plate having a retaining hook thereon, a strap extending over the inner surface of the plate and hook to constitute a pad therefor, which said strap has a free end projecting above the plate and means for securing the free end of the strap to the plate, comprising a nut secured to the outer surface of the plate, a cap plate arranged to engage the outer surface of the upper end of the strap and having side flanges engaging over the edges of the strap, and adjustable means arranged to engage said nut and cap plate respectively.

18. In an attachment of the character described, the combination of a rod support, a supporting plate having a retaining hook, a strap secured to the plate and having a projecting free end arranged to pass around the rod support, and an adjustable device detachably engaging the free end of the strap and plate respectively.

19. An attachment of the character described, comprising a rod support, a supporting plate having a retaining hook, a strap extending over the inner surface of the plate and secured thereto to constitute a pad for the hook and having a projecting free end arranged to pass around the rod support, and an adjustable device detachably engaging the free end of the strap and plate respectively.

20. An attachment of the character described, comprising a rod support, a supporting plate having a retaining hook, a strap extending over the inner surface of the plate and secured thereto to constitute a pad for the hook and having a projecting free end arranged to pass round the rod support, an adjustable device detachably engaging the free end of the strap and plate respectively and a number plate having an elongated slot loosely engaging over the retaining hook.

21. In a device of the character described, the combination of a supporting plate bent inwardly at its lower end to constitute an open ended hook, a strap extending over the inner surface of the plate and hook for constituting a pad for the latter and having a free end projecting thereabove for engagement with a support, and means for securing the free end of the strap to the plate whereby said free end will in effect constitute a continuation of the end of the hook portion thereof and prevent accidental withdrawal of the part carried thereby.

22. An attachment of the character described comprising a supporting plate bent upon itself at its lower end to constitute a hook the termination of the hook end being separated from the plate for the insertion of a number plate or the like, and means for securing the supporting plate to a suitable support, the said means constituting a bridge for substantially closing said space.

23. A number plate attachment comprising a plate having a hook for the reception of a number plate, said number plate, a supporting bar, a strap secured to the first mentioned plate and passing around the supporting bar, the said strap having a series of apertures at its free end, a device arranged to engage one of said apertures and having an adjustable connection with the plate thereby drawing opposite ends of the strap about said bar.

24. An attachment of the character described comprising a supporting plate, a hook on the plate, and retaining means for the plate comprising an adjustable bolt, the bolt being of a length to bridge the space between the hook and plate.

25. An attachment of the character described comprising a supporting plate having a retaining hook, and means for securing the plate in position, comprising a nut on one side of the plate, a cap plate upon the opposite side of the supporting plate, and an adjustable member arranged to engage said nut, and cap plate, respectively.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY R. SEAVEY.

Witnesses:
FRANK L. RICKEN,
L. GROVES WEYMOUTH.