A. A. MUTSCHLER.

VEHICLE.

APPLICATION FILED NOV. 29, 1909.

1,000,621. Patented Aug. 15, 1911.

Fig. 1.

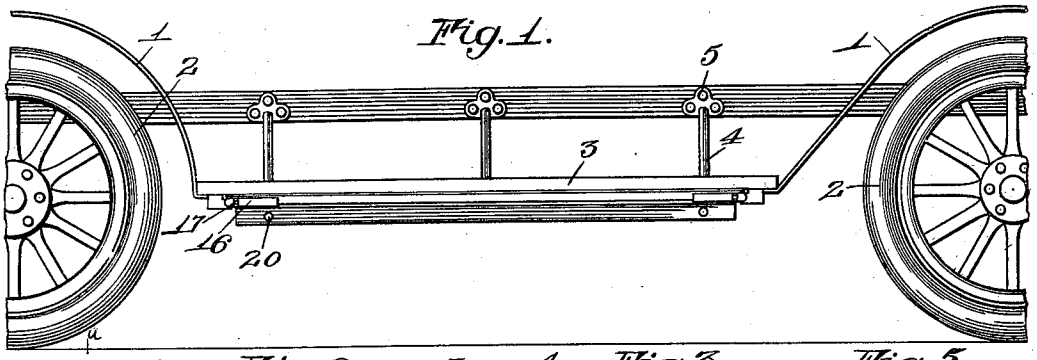


Fig. 2.

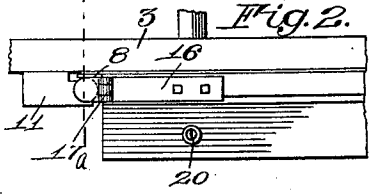


Fig. 3.

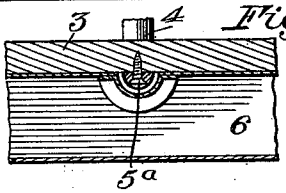


Fig. 5.

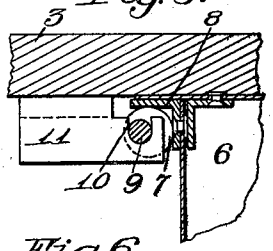


Fig. 4.

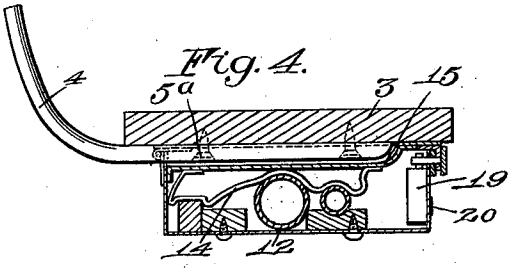


Fig. 6.

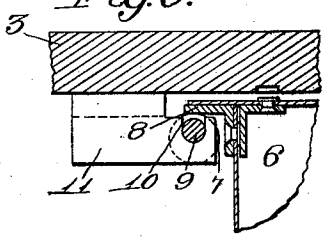


Fig. 7.

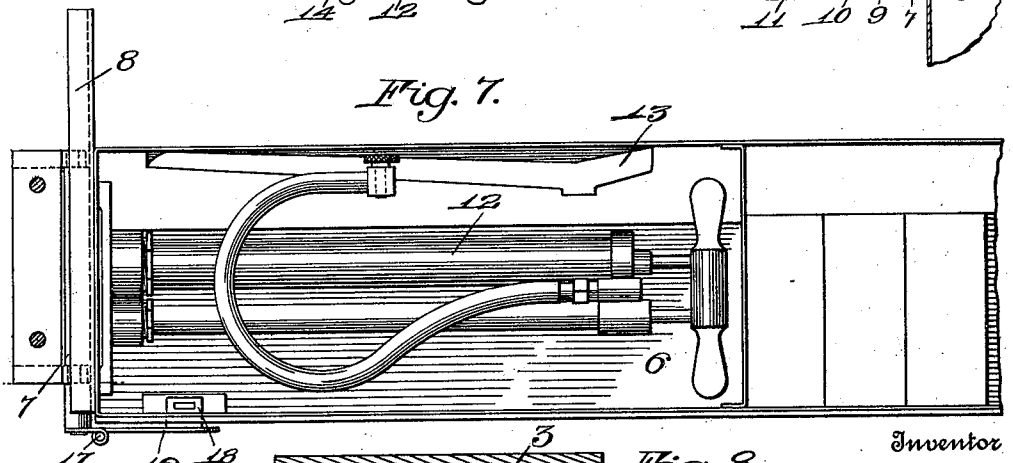
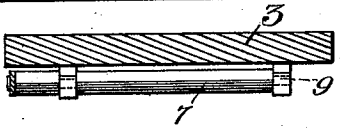


Fig. 8.



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VEHICLE.

1,000,621. Specification of Letters Patent. **Patented Aug. 15, 1911.**

Application filed November 29, 1909. Serial No. 530,443.

To all whom it may concern:

Be it known that I, ANNA A. MUTSCHLER, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Vehicles; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

The present invention relates to vehicles and it has for an object to provide a receptacle for tools or other articles, so located that it is not conspicuous and does not interfere with the carrying capacity of the vehicle and so supported that it will not be liable to vibration on the vehicle.

To these and other ends the invention consists in certain improvements and combinations of parts all as will be hereinafter more fully described, the novel features being pointed out in the claims at the end of the specification.

In the drawings: Figure 1 is a side view of portions of an ordinary motor vehicle with one embodiment of the invention attached thereto; Fig. 2 is an enlarged detail view of one of the receptacles shown in Fig. 1; Fig. 3 is a detail longitudinal sectional view near the center of the same receptacle; Fig. 4 is a transverse vertical sectional view; Figs. 5 and 6 are detail views showing the manner in which the receptacle is guided upon the vehicle; Fig. 7 is an enlarged view showing the upper wall of the receptacle removed; Fig. 8 is a section on the line *a*—*a* of Fig. 2.

In the present invention, a receptacle for tools or other articles which may be needed in repairing a vehicle, or for other purposes, is arranged beneath a foot piece, one of said parts being rigidly secured at opposite ends to the front and the rear mud guard in order to be held firmly against movement, while the other of said parts is supported by the secured part and preferably movable relatively thereto, suitable means being employed, if desirable, for drawing the movable part to the part secured to the mud guards in order to prevent relative movement between the said parts during the travel of the vehicle. With this arrangement entrance to the vehicle is not retarded nor is there any interference with the seating capacity of the latter.

In the embodiment shown in Figs. 1 to 8 the mud guards 1 for the wheels 2 are rigidly secured upon a foot piece 3, the latter also being supported, if desirable, by brackets 4 secured at 5 to the outer sides of the frame of the machine and extending beneath and secured at 5^a to the under surface of the foot piece. This foot piece in addition to facilitating entrance to the vehicle serves as a support for and carries a receptacle 6 which in this instance is guided beneath and on the under surface of the foot piece, the latter being preferably provided with transverse guides 7 upon which rest guide flanges 8 projecting outwardly from the opposite ends of the receptacle 6. The guides 7 are in this instance in the form of cylinders or cams mounted to turn about eccentrically arranged axes and for this purpose having eccentrically arranged bearings 9 turning in vertically opening bearings 10 in brackets 11, secured to the under surface of the foot piece 3. It is apparent that the guides 7, when in the position shown in Fig. 5, will cooperate with the receptacle in such a manner that the latter will be firmly held to the foot piece 3 and will be engaged on its side walls so that vertical movement and also movement in the direction of the length of the receptacle will be prevented. When the guides 7 are rotated from this position to the position shown in Fig. 6 the receptacle lowers with relation to the foot piece and is also allowed an endwise play, both of which facilitate a sliding movement of the receptacle transversely of the foot piece. The guides 8 may extend beyond the rear wall of the receptacle in order to support the latter beyond the vertical plane of the outer side of the foot-piece so that the entire compartment of the receptacle may be moved into view. The receptacle may contain any tools employed in the adjustment or repair of a vehicle, as for instance a tire pump 12, and a tire removing tool 13, both of which may be held against movement within the receptacle during the travel of the vehicle by resilient member 14, in this instance carried upon a supplemental hinged closure 15 provided for the purpose of excluding dust or dirt from the receptacle. In order that the receptacle may be locked against sliding movement, the guides 7 may have hasps 16 pivoted thereto at 17, each carrying an eye 18 adapted to be passed through perforations in the closure 15 and the receptacle 6

so as to be engaged by a lock 19 arranged within the receptacle and operable from the exterior thereof through a key opening 20. With this arrangement the locking devices are arranged at the opposite ends of the receptacle and the hasps thus prevent the sliding movement of the receptacle and are in turn locked against movement by locks 19.

In the embodiment of the invention shown in Figs. 9 to 13 the receptacle 106 is rigidly secured at its opposite lower ends to the mud guards 1, while the foot piece 103 is movably arranged on the receptacle, preferably being hinged thereto at 100. The receptacle is also supported between its ends by brackets 104 secured at their ends 105 to the side frames of the vehicle and having their lower ends passed beneath and secured to the under side of the receptacle. The foot piece is drawn to and held firmly in engagement with the receptacle by any suitable means such as one or more rotary cam members 107, in this instance one near each end of the receptacle and preferably turning in the front wall of the latter and adapted to engage shoulders 108 depending from the under side of the foot piece 103. To each cam may be pivotally connected at 117 a hasp 116 which carries an eye 118 adapted to be passed through an opening in the front wall of the receptacle when the cam is turned to hold the footboard in engagement with said receptacle. A lock 119 arranged on the inner side of the receptacle and controllable through a key opening 120 serves to hold the cam member in its securing position.

From the foregoing it will be seen that provision has been made whereby a receptacle may be firmly supported against all vibration upon a vehicle and in a place where it will not subtract from the carrying capacity of the vehicle nor interfere with the entrance or exit of the users. The location of the receptacle is such that the vehicle is not rendered conspicuous, while at the same time the contents are readily accessible.

I claim as my invention:

1. The combination with a support and a receptacle movable transversely thereof having guideways, of guide supports revolubly supported on eccentric axes engaging said guide ways and when rotated operating to carry the receptacle bodily toward and away from the support.

2. The combination with a support and a drawer movable transversely beneath the support having guide ways, of guide members supporting the guide ways, said members being movably mounted on the support and adapted to be adjusted to carry the drawer upward bodily into locking position beneath the support.

3. The combination with a support and a drawer movable transversely beneath it, of members mounted on the support and forming guides for the drawer, said members being adjustable on the support to carry the drawer bodily into and out of engagement with the underside of the support to secure it in either locked or unlocked position thereon.

4. The combination with a support and a drawer movable transversely beneath it having ways at its ends, of cylindrical members arranged beneath the support and engaging the ways of the drawer, bearings on the support in which said members are eccentrically journaled and revoluble to carry the drawer in a vertical direction.

5. In a vehicle, the combination with front and rear mud guards, of a foot piece connecting the mud guards, cylindrical guides arranged on the under side of the foot piece and mounted to turn about eccentric axes, a receptacle operating between the cylindrical guides, and guides on the sides of the receptacle coöperating with the cylindrical guides.

6. In a vehicle, the combination with front and rear mud guards, of a running board and receptacle one of which parts is attached at its ends to said mud guards, and the other part being guided on the attached part and capable of lateral adjustment thereon, and a cam member for moving said adjustable part in a direction transverse to its guided movement to either lock or unlock the receptacle.

7. In a vehicle, the combination with front and rear mud guards, of a connection between the mud guards forming a step on the vehicle embodying a foot piece and a receptacle, one of said parts being rigidly secured at its ends to the mud guards and the other being movably supported thereon, a cam member for drawing said parts together to prevent play between them, and a locking device for holding the cam member against movement.

8. In a vehicle, the combination with front and rear mud guards, of a running board between the mud guards embodying a foot piece and a receptacle movable horizontally relatively to each other to open and close the receptacle, one of said parts being rigidly secured at its ends to the mud guards and the other being movable vertically thereon, a cam member for drawing said parts together to prevent play between them, a hasp pivotally connected to the cam member operating as a handle and a lock coöperating with said hasp in one position of its adjustment.

9. In a vehicle, the combination with front and rear mud guards, of a connection between them embodying a foot piece rigidly secured at its ends to the guards, a receptacle arranged beneath and supported by the foot piece, and a cam member for drawing the

receptacle into engagement with the foot piece and releasing it therefrom to either lock the receptacle in closed position or allow it to be opened.

10. The combination with a support, of a receptacle slidable relatively thereto, cams on the support coöperating with the receptacle to move it into and out of engagement with the support, and hasps carried by and forming handles for operating the cams, said hasps being also adapted to coöperate with the receptacle when in one position of adjustment to secure it and hold the cams in operated position.

11. In a vehicle, the combination with the front and rear mud guards, of a foot piece rigidly secured at opposite ends to the mud guards, cylindrical guides mounted to turn about eccentrically arranged axes on the support, hasps pivotally connected to the guides, a receptacle having guides at its ends movable on the cylindrical guides, and locking devices on the receptacle adapted to engage the hasps.

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Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."