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(54) DEVICE FOR MOUNTING RUNNERS ON THE STEERING WHEELS OF VEHICLES	(57) Abstract:
(54) MONTURE DE PATIN SUR ROUE AVANT DE VOITURE	

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Under French Patent No 530.533, dated the 4th day of February 1921, there were already known in the prior art front runners for steering wheels, said runners being mounted on the hubs of said wheels.

The object of this invention is to provide a runner of the same kind but mounted on a spindle parallel to the arm of the axle tree itself so as to do away with the inconveniences involved by a fixed head mounted on a rotating hub as per the above mentioned Patent.

In order to make my invention more clearly understood I have illustrated, as an example, an embodiment thereof in and by a drawing appended hereto and wherein:

Figure 1 is an elevation of a device constructed according to my invention.

Figure 2 is a plane view of the same (in this view the wheel is omitted).

Figure 3 is a cross section thereof.

In the three Figures 1 denotes the contemplated runner. The axle tree 2 is extended towards the outside by a member 3 supporting a trunnion 4. The same arm receives on the inner side another member 5 carrying another trunnion 6.

On trunnions 4 and 6 (Figure 3) are mounted heads 7 and struts 8 the lower part of which is secured on the runner itself.

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The latter, as will be apparent from the Figures, is maintained by struts 8 at a certain height above the ground .

In order to keep the runner in horizontal position a locking device, hereinafter described, is provided . A member 9, of special shape, is rigidly fixed on arm 2 (Figures 2 and 3). Said member carries two ears 10 (figure 2) constituting a spring and ended by a notch 11. Into notch 11 of each one of the ears come to be housed the supporting struts 8 on the outer side .

As will be apparent the notches of the spring members 11 keep in position struts 8 and, consequently , runner 1.

Notches 11 are suitably shaped so that when a stress exceeding a predetermined value occurs at one of the ends of the runner, struts 8 get out of the notches to return therein as soon as said stress ceases .

As will be apparent , such a runner is articulated on a spindle parallel and proximate to the spindle of the wheel . Said runner is maintained horizontal at a certain distance from the ground .

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Having thus described my invention, I claim:-

1. In a mounting for adapting runners to a vehicle having wheels, a runner having an aperture in the middle thereof, struts connecting said runner to a separate axle parallel with the wheel axle, and resilient means for normally urging the runner to a position above the ground and parallel thereto, the lower part of the wheel resting on the ground and protruding through the runner's aperture.

2. A device as per claim 1, wherein the resilient means for the runners comprise a flat spring secured to the axletree arm and engaging the struts at an intermediate position thereof.

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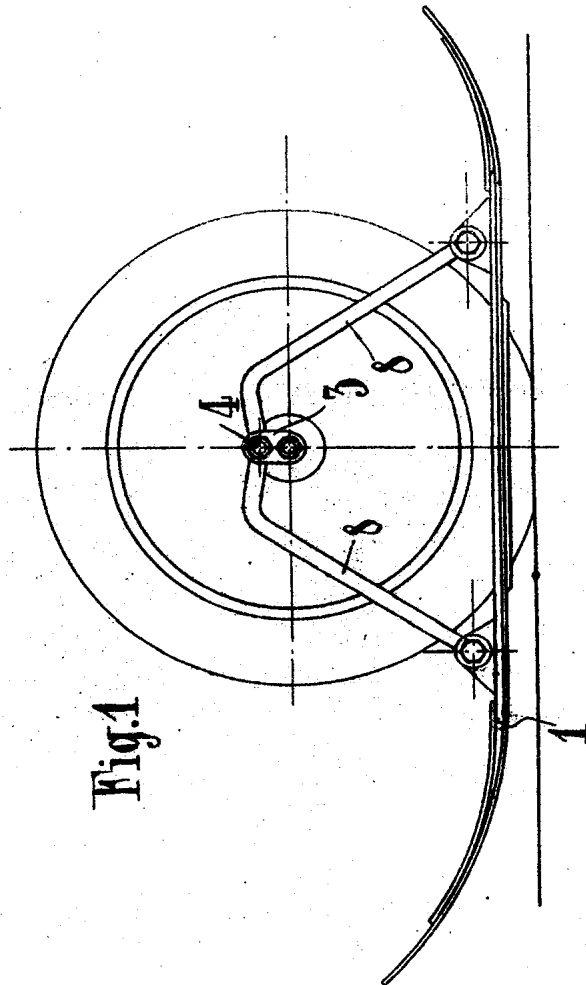


Fig. 1

Certified to be the drawings referred to in
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MONTREAL, January 25th, 1929.

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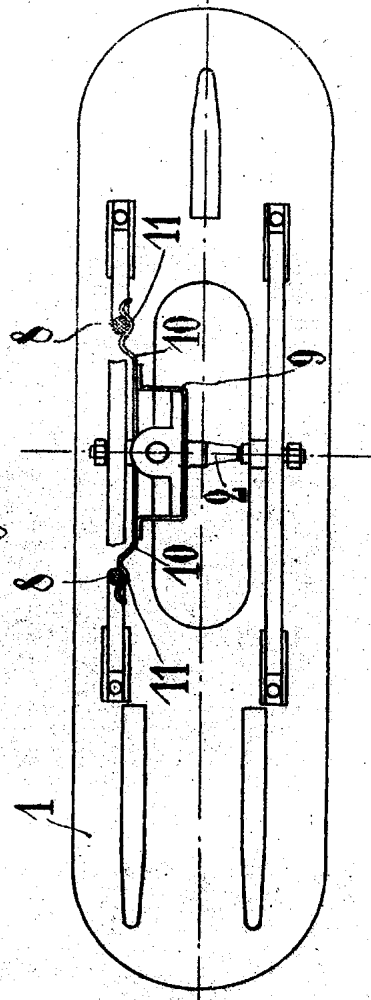
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Fig. 2



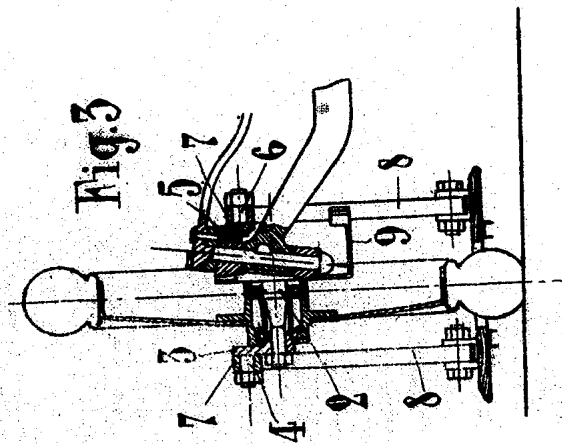
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