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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**

*This First Page has been artificially created and is not part of the CIPO Official Publication*

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 axletree 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 axletree 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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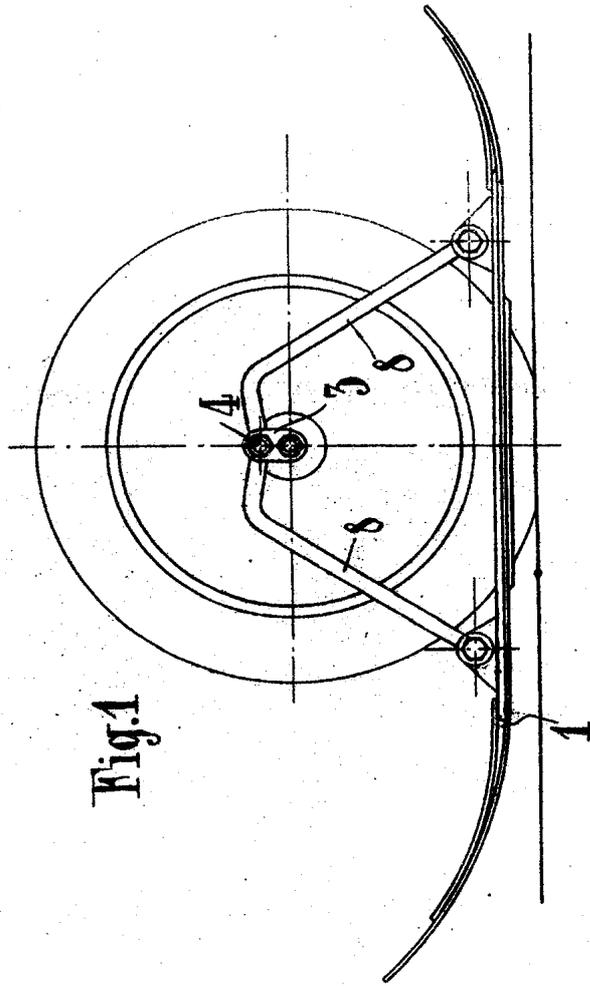


Fig. 1

Certified to be the drawings referred to in  
the specification hereunto annexed.-  
MONTREAL, January 25th, 1929.

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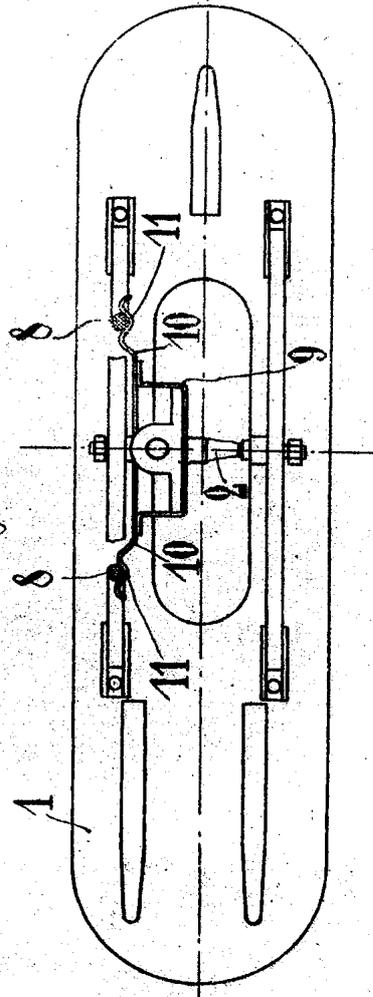
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Fig. 2



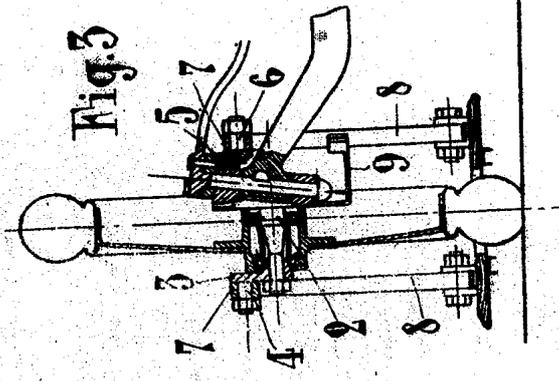
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