No. 740,809. PATENTED OCT. 6, 1903.

C. N. CONLEE.

OSCILLATING BODY SUPPORT FOR VEHICLES.

APPLICATION FILED MAR. 11, 1903.

NO MODEL.

Fig. 1.

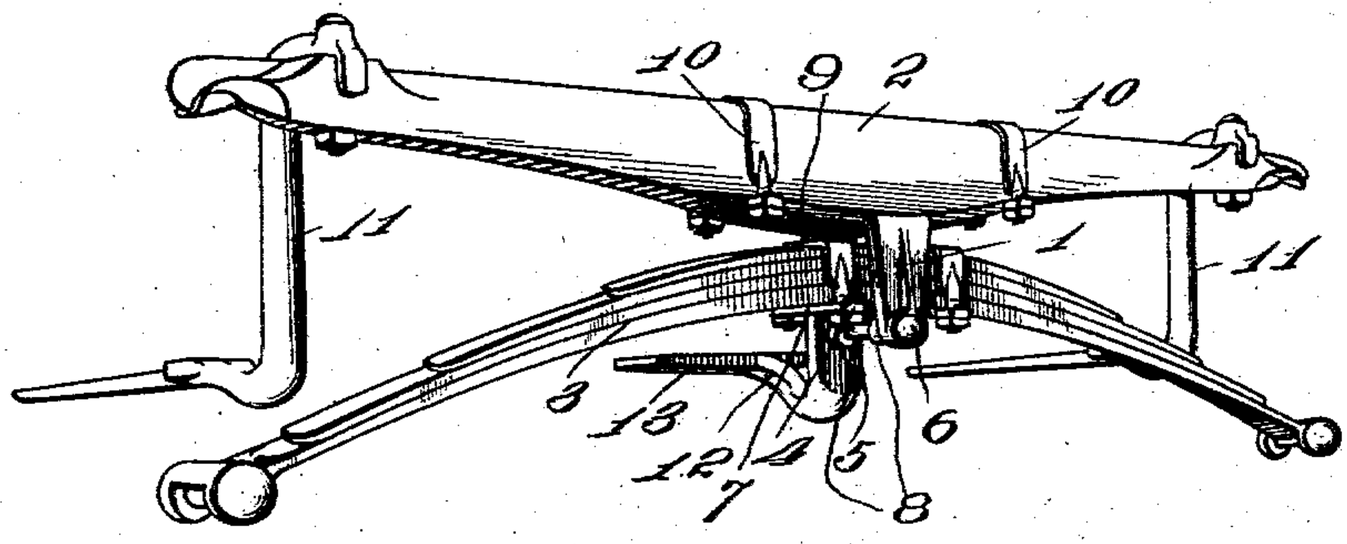


Fig. 2.

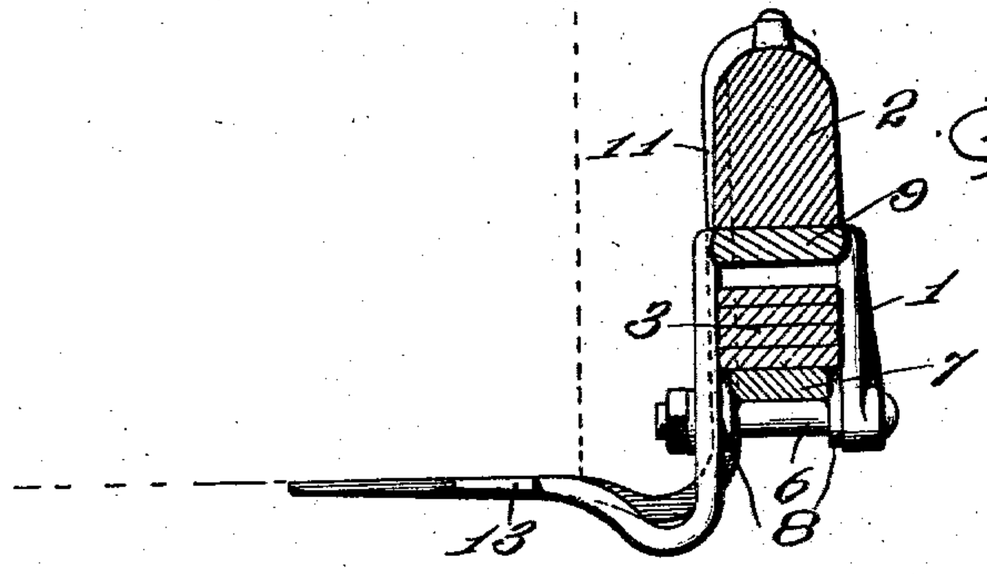
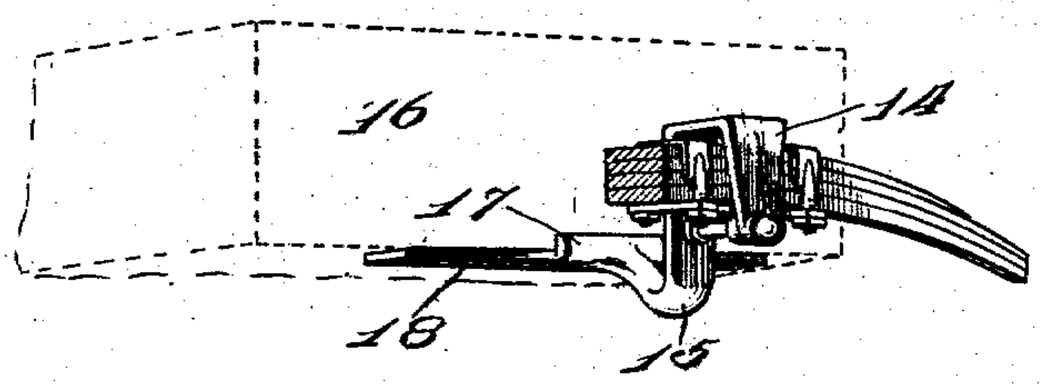


Fig. 3.



Witnesses
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No. 740,809. Patented October 6, 1903.

UNITED STATES PATENT OFFICE.

CARLTON N. CONLEE, OF OSHKOSH, WISCONSIN.

OSCILLATING BODY-SUPPORT FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 740,809, dated October 6, 1903.

Application filed March 11, 1903. Serial No. 147,337. (No model.)

To all whom it may concern:

Be it known that I, CARLTON N. CONLEE, a citizen of the United States, residing at Oshkosh, in the county of Winnebago and State of Wisconsin, have invented new and useful Improvements in Oscillating Body-Supports for Vehicles, of which the following is a specification.

This invention relates to improvements in running-gear for vehicles, and especially to oscillating supports for the bodies of vehicles.

The invention consists in an oscillating member supported on the spring of a vehicle and a laterally-extending projection or arm for supporting the body of the vehicle upon said member.

It also consists in certain other novel constructions, combinations, and arrangements of parts, as will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a practical embodiment of the present invention, showing the hanger or body loop secured to the oscillating member at the top of the spring. Fig. 2 is a vertical section taken transversely through the spring and spring-bar, the oscillating member and the hanger being shown in side elevation. Fig. 3 is a perspective view of the said hanger or oscillator-arm applied to a spring without employing a spring-bar.

In the illustration accompanying this application an oscillating member 1 is shown secured to a spring-bar 2, the front and rear arms of the said member projecting downwardly on each side of the upper arch of a spring 3. A pivot or bearing plate 4 is clipped or otherwise secured to the under surface of the spring 3 and is provided with bearings at 5 for engaging a pivot-pin 6. As shown in the drawings, the bearing-plate is preferably composed of a body portion 7 and downwardly-turned apertured lugs 8, which receive the pin 6. The body portion 7 of the plate projects a sufficient distance to either side of the pivot-pin to be secured properly to the spring. As shown in Figs. 1 and 2, the oscillating member or clip 1 may be provided with a broad attaching-plate portion 9, upon which the central portion of the spring-bar 2 rests. In this instance the plate 9 is preferably firmly secured to the spring bar or bolster 2 by means of clips 10. When using structures which employ spring bars or bolsters, as 2, it is customary to support the body of the vehicle by means of body loops or hangers 11, arranged at the outer ends of said bar or bolster and extending beneath the floor of the vehicle-body to which it is secured. In the present invention a laterally-projecting arm or hanger 12 is provided upon the oscillating member or clip 1, the said arm or hanger having a broad body-engaging portion 13, to which the body of the vehicle may be bolted or otherwise secured. I do not wish, however, in the present application to be understood as limiting myself to the use of the arm or loop 12 on a vehicle provided with a bar or bolster 2, since it will be evident by reference to Fig. 3 that it may be employed without such a bar or bolster. As shown in Fig. 3, the end of the vehicle-body adjacent to the spring is supported entirely by the arm or hanger projecting laterally from the oscillating member. In this instance also the oscillating member is merely provided with a bifurcated portion 14, and projecting from the inner leg thereof is a laterally-extending arm or hanger 15, which is secured to the body 16 of the vehicle. When making this hanger the sole support of this end of the vehicle, it is preferable to form the hanger or laterally-projecting arm 15 with a shoulder or flange 17 for engaging the front edge of the vehicle-body and holding it more rigidly in position. The attaching-plate portion 18 of the said hanger also projects rearwardly a sufficient distance beneath the floor of the body portion to permit of its being bolted or riveted thereto.

It will be apparent that my invention will also cover any construction of a clip or oscillating member pivoted upon a spring which is provided with a laterally-projecting body-engaging arm or hanger whether the said arm projects from a point above or below the engagement of the clip or oscillating member with the pivot-pin. It will be evident that various modifications of the arrangement and shape of the arm or hanger may be made without departing from the spirit of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A vehicle-body support comprising a loop or hanger rigidly secured to said body and projecting outwardly therefrom, a clip or member at the other end thereof and forming an integral part of said hanger, the said clip pivotally engaging the running-gear of the vehicle, and means for securing the said clip to said running-gear.

2. In a vehicle, the combination with a transverse spring, of a body-support, means interposed between the said spring and body comprising a loop or hanger extending from the body and an integral clip formed at the outer end thereof and pivotally engaging the said spring.

3. In a vehicle, the combination with a body, a transverse spring, a bolster resting on said spring and a hanger or loop interposed between the bolster and body comprising an arm projecting from the body and a clip or member formed at its outer end and pivotally connected with said spring.

4. In a vehicle, the combination with a body and a transverse front spring, of a spring bar or bolster mounted thereon, an oscillating member or clip secured to said spring-bar and fulcrumed upon the said spring, and a laterally-projecting body-support or arm extending from said oscillating member or clip to the said body.

5. A vehicle-body support, comprising an oscillating member pivoted to a spring, a vehicle running-gear, a laterally-projecting integral arm or hanger extending from the said oscillating member toward the wagon-body, an attaching-plate carried by said arm or hanger, and a flange formed thereon for engaging the end of the vehicle-body to rigidly hold the same in relation to the said arm or hanger, substantially as described.

6. A vehicle-body support, comprising a spring, an oscillating member formed with downwardly-extending legs embracing the spring and pivoted thereto, and a projection forming a prolongation of one of the legs and rigidly engaging the body of the vehicle for supporting it upon the said oscillating member, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CARLTON N. CONLEE.

Witnesses:
A. R. WATERHOUSE,
H. A. HENKEL.