

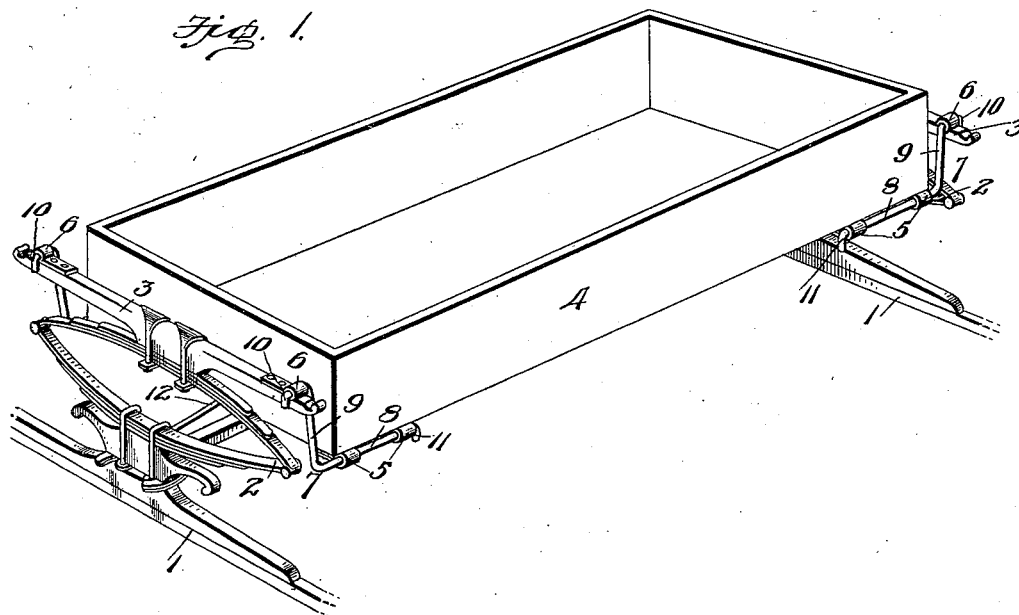
No. 646,271.

Patented Mar. 27, 1900.

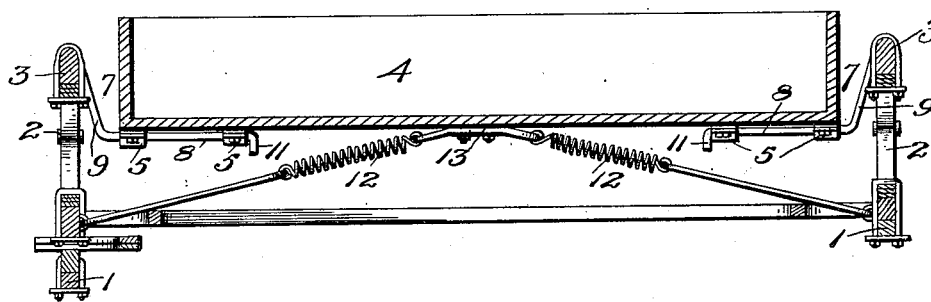
R. H. ELROD.  
VEHICLE.

(Application filed Dec. 7, 1899.)

(No Model.)



*Fig. 2.*



Inventor

*R. H. Elrod*

Witnesses

*E. Hunt*  
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by *A. B. Wilson & Co.*

Attorneys

# UNITED STATES PATENT OFFICE.

ROBERT H. ELROD, OF JEFFERSON, GEORGIA.

## VEHICLE.

SPECIFICATION forming part of Letters Patent No. 646,271, dated March 27, 1900.

Application filed December 7, 1899. Serial No. 739,524. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT H. ELROD, a citizen of the United States, residing at Jefferson, in the county of Jackson and State of Georgia, have invented certain new and useful Improvements in Vehicles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The invention relates to vehicles.

The object of the invention is to provide novel means for connecting the body of the vehicle with the running-gear, so that when the vehicle is passing over rough surfaces the body will remain perfectly horizontal and be prevented from shaking its occupants about.

To this end the invention consists in certain features of construction and combination of parts, which will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view illustrating my invention. Fig. 2 is a longitudinal sectional view.

In the drawings the same reference characters indicate the same parts of the invention.

1 denotes the axletree of the running-gear; 2, the end springs; 3, the spring-bars, and 4 the vehicle-body. These parts may be of any well-known or approved construction.

Secured to each side of the vehicle-body near each end are looped brackets 5 5, and secured to the ends of the spring-bars are similar looped brackets 6.

7 denotes crank-hangers, consisting of the horizontal portion 8, which is journaled in the looped brackets of the body and provided with the bent ends 11, and the vertical portions 9, which are provided with bent ends 10, which are journaled in the brackets secured to the ends of the spring-bars. These hanger-bars are each bent at their ends 11 to prevent them from withdrawing from the looped brackets 5 5.

12 denotes springs, the inner ends of which are secured to a plate 13, attached to the under side of the vehicle-body, and the outer ends of which are secured to the axletrees.

These springs are to limit the sidewise movement of the body and prevent it from swinging too far laterally.

A vehicle-body thus mounted will at all times remain in a horizontal position irrespective of the position of its wheels, whether the wheels at one side of the vehicle be in a rut or not, and so lessen the danger of the occupants being thrown out when the wheels suddenly roll over obstructions or into ruts in the road.

From the foregoing description, taken in connection with the accompanying drawings, it is thought that the construction, operation, and advantages of my improved vehicle will be readily appreciated without requiring an extended explanation.

It will of course be understood that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

In a vehicle, the combination with the vehicle-body and its end springs; of looped brackets secured to the lower face of the bottom of said vehicle-body near its lower corners; looped brackets 6 secured to the spring-bars 3, 3 near the ends of the latter; crank-hangers 7 connecting the looped brackets of said spring-bars to the looped brackets 5, 5 of the vehicle-body and having bent ends to prevent accidental withdrawal from said brackets; and coil-springs 12 connected to a plate 13 secured to the lower face of the vehicle-body and connected, also, to the running-gear of the vehicle; substantially as specified.

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

ROBERT H. ELROD.

Witnesses:

S. E. BAILEY,

FRANK ROBERTS.