

(No Model.)

W. D. AMENT.

BUGGY SPRING.

No. 261,293.

Patented July 18, 1882.

Fig. 1.

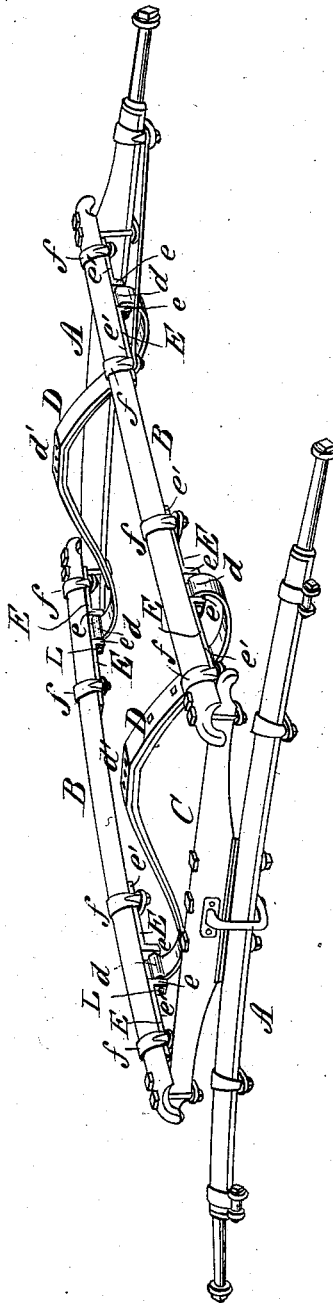


Fig. 2.



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## BUGGY-SPRING.

SPECIFICATION forming part of Letters Patent No. 261,293, dated July 18, 1882.

Application filed April 22, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM D. AMENT, of Muscatine, Muscatine county, Iowa, have invented a new and useful Improvement in Buggy-Springs, of which the following is a full, clear, and exact description.

My invention relates to certain improvements in the form of the body-springs commonly used on side-bar buggies, and to the means of attachment of the same to the side bars of the buggy, whereby the body-springs will be prevented from twisting under the load, the means of attachment consisting of plates each formed with a suitable drop or bent portion for receiving the bolt for holding the springs, each plate being adapted to be secured to the side bar by means of a ferrule or clip, the spring being ogee-shaped at the ends and elevated in the center.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both figures.

Figure 1 represents in perspective the running-gear of an ordinary side-bar buggy having my invention applied thereto, and Fig. 2 is a side elevation of one pair of plates for securing the springs detached from the side bar.

A A represent the axles; B B, the side bars; and C represents the bolster, all of which are of ordinary construction; and D D represent my improved springs, and E E my new and improved plates for securing the springs to the said side bars.

The springs D D are made up of as many

leaves as needed for giving the desired stiffness, and are made in ogee form at the ends, as shown at *d d*, and are elevated in the center and flattened for from four to six inches at that point, as shown at *d' d'*, for supporting the body of the buggy.

The plates E E are made of steel, and two of them are used for holding each end of the springs by means of the bolt L, which passes through the drop or downwardly-bent portion *e e* of the plates. The plates are of considerable length, and are secured to the under side of the side bars, B B, by means of the ferrules or clips *f f*, applied near the outer straight ends, *e' e'*, of the plates, as shown in Fig. 1. By this means the plates E E will serve as auxiliary springs to the body of the buggy, and serve, also, to carry the springs D D straight and level, and the clips *f f* will not be affected by any twisting or swaying or backward and forward movement of the springs D D; but the twist due to this motion will come upon the plates E E and bolt L.

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

The ogee-formed buggy-spring D, hung upon the bolts L, passing through the angles *e* of plates E, which plates E are held to the side bars, B, by means of clips *f*, and are adjustable along the bars through the clips, as shown and described.

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Witnesses:

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