(No Model.)

C. S. LEHMAN.

FIFTH WHEEL FOR BUGGIES.

No. 549,732. Patented Nov. 12, 1895.

Fig. 1.

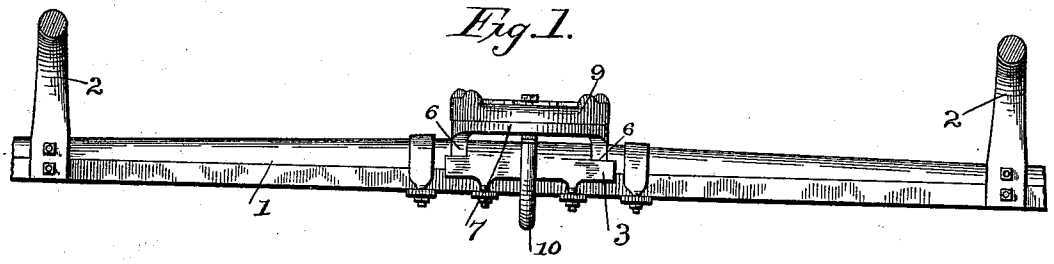


Fig. 2.

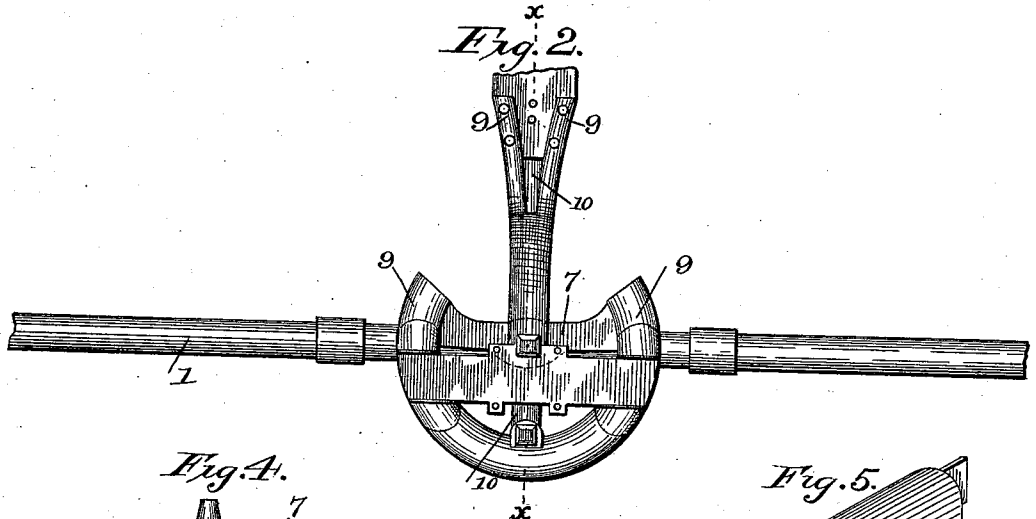


Fig. 4.

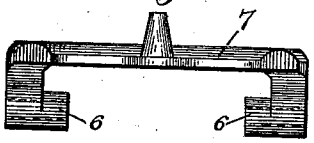


Fig. 3.

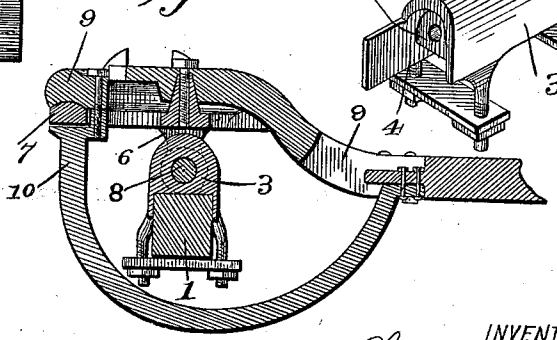
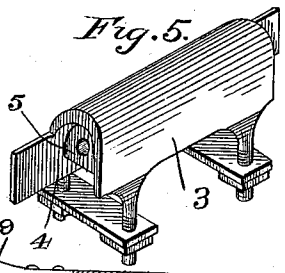


Fig. 5.



WITNESSES:

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CHRISTIAN S. LEHMAN, OF LAWN, PENNSYLVANIA.

FIFTH-WHEEL FOR BUGGIES.

SPECIFICATION forming part of Letters Patent No. 549,732, dated November 12, 1895.

Application filed April 16, 1895. Serial No. 545,977. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN S. LEHMAN, a citizen of the United States, residing at Lawn, in the county of Lebanon and State of Pennsylvania, have invented certain new and useful Improvements in Buggies; and I do hereby 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.

My invention relates to improvements in buggies, the same residing particularly in the means of mounting the fifth-wheel and its supporting-bracket upon the axle of the buggy.

The invention consists of the fifth-wheel, upon which the body of the buggy is mounted, pivoted upon a suitable bracket or support. The same is held in its seat by means of a centrally-mounted bolt or screw and also has secured to it an outwardly and rearwardly projecting supporting-arm, to which the reach of the buggy or other part thereof may be secured. The bracket with which said fifth-wheel is adapted to operate and which forms a part thereof, is pivotally mounted upon the axle of the buggy, so that the latter may have the swinging movement independent of the body of the buggy. The shafts are rigidly connected to said axle.

The invention also consists in other details of construction and combinations of parts which will be hereinafter more fully described and claimed.

In the drawings forming a part of this specification, Figure 1 represents a front elevation of a buggy-axle, showing the fifth-wheel connected thereto. Fig. 2 is a plan view of the same with the carriage-body detached. Fig. 3 is a vertical section on the line *x x* of Fig. 2. Figs. 4 and 5 are detail views, respectively, of the bracket and clip.

Like reference-numerals indicate like parts in the various views.

By reference to the drawings it will be seen that 1 represents the axle of the buggy, and 2 the shafts, rigidly secured thereto by bolts or otherwise. Poles for double harness may be attached in the same manner, with an additional bolt for pole. The axle 1 is cut away at its center or may be made in two parts suitably joined together, and fitting over this portion is an encircling clip 3, which is recessed at each end, as shown at 4, and is cut out longitudinally, as at 5, for the passage of the arms 6 of the bracket 7. Passing centrally through the arms 6 and the clip 3 is a horizontal shaft 8, forming a pivotal connection between the said brackets 7 and the axle 1. The upper surface of the bracket 7 is segmental in form, and fitting upon the same and pivotally secured thereto is the fifth-wheel 9, upon which the body of the buggy is adapted to rest. The fifth-wheel is provided with rearwardly-extending arms 9 9 and has secured to its front portion another arm 10, extending forwardly around axle 1 and thence rearwardly, the arms 9 and 10 being adapted to be connected to the reach or some other part of the carriage-body.

By the construction just described it will be seen that I am enabled to connect the shaft 2 to the axle 1 in a rigid manner, as by bolts or screws. The shafts 2 are then adapted to be raised and lowered, turning the axle 1 upon its pivotal connection with the fifth-wheel. The construction is very simple, but very effective for the purpose for which it is designed.

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

The combination with the fifth wheel of a buggy, of an axle recessed and cut away at its ends and recessed along its central portion, a clip fitting the recess in said axle, a bracket with which said fifth wheel is adapted to operate having depending arms, which fit the recesses in the ends of said clip a horizontal shaft connecting said arms with said axle, and shafts rigidly secured to said axle, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

CHRISTIAN S. LEHMAN.

Witnesses:

E. M. GRUBER,

PETER GRUBER, Jr.