J. M. LEWIS.

Children's Carriages.

No. 159,588. Patented Feb. 9, 1875.

Fig. 1

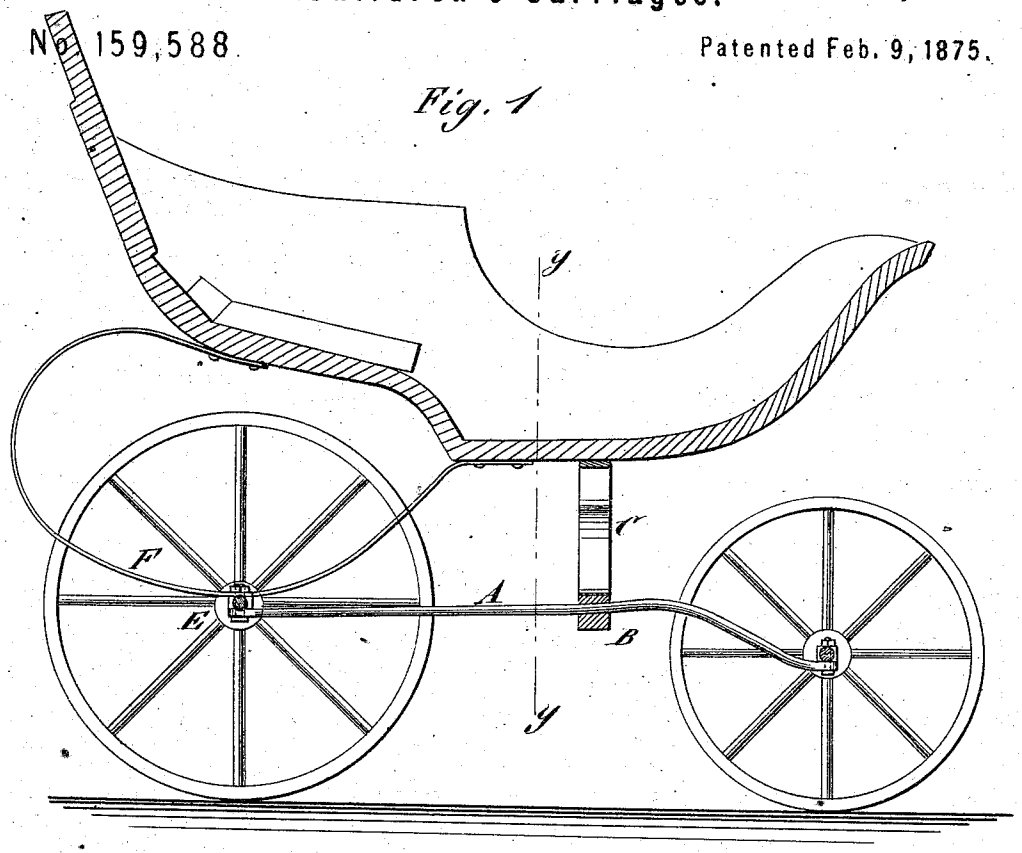


Fig. 2

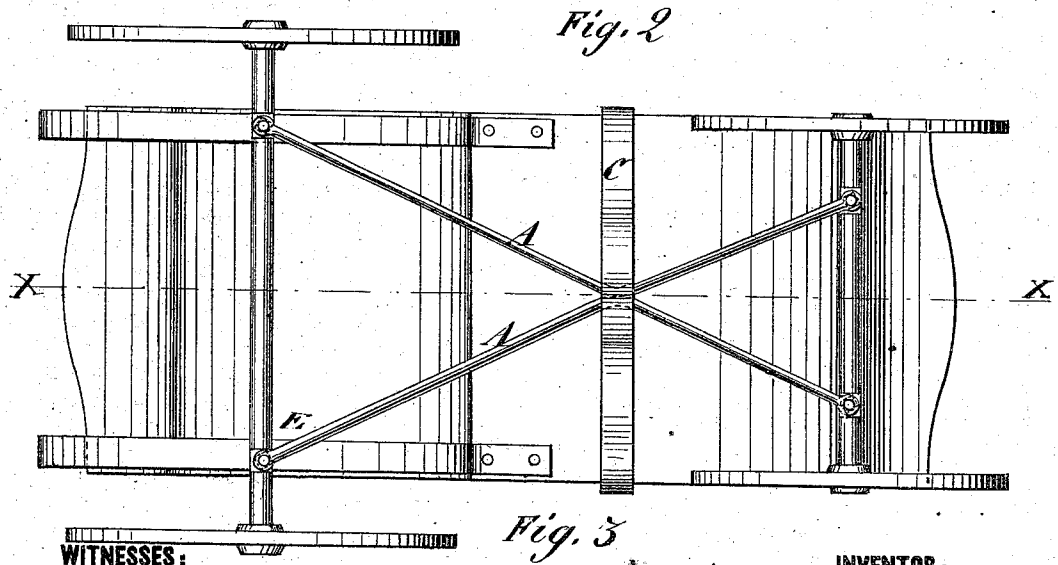
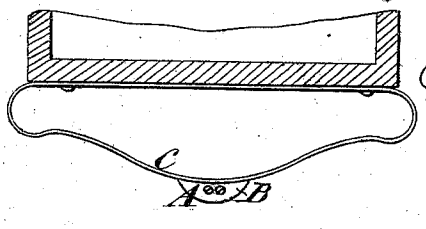


Fig. 3



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UNITED STATES PATENT OFFICE.

J. MANVILL LEWIS, OF NORTH SPRINGFIELD, VERMONT.

IMPROVEMENT IN CHILDREN'S CARRIAGES.

Specification forming part of Letters Patent No. **159,588**, dated February 9, 1875; application filed November 7, 1874.

To all whom it may concern:

Be it known that I, J. MANVILL LEWIS, of North Springfield, in the county of Windsor and State of Vermont, have invented a new and Improved Child's Carriage, of which the following is a specification:

My invention consists of the two axles connected by a reach of one or more (preferably two) malleable-iron rods or bars, with a spring near about the middle for supporting the front portion of the body, in combination with ordinary C or other springs on the rear axle, supporting the rear end of the box, by which it is designed to simplify and cheapen the construction considerably, while at the same time the carriage is equally as strong and more elastic than those in which the body-sills curve down and connect with the front axle to form the reach.

Figure 1 is a longitudinal sectional elevation of a carriage constructed according to my invention on line *x x*, Fig. 2. Fig. 2 is a plan view of the carriage inverted, and Fig. 3 is a transverse section on the line *y y* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents two rods or bars of malleable iron, forming the reach, the said bars being arranged diagonally to the plane of the carriage, and crossing each other a little in advance of the middle, and at the ends they are bolted to the axles. At the crossing is a little seat, B, of metal, for the front spring, C, which, by preference, will be cast together with the rods or bars. Where the bars are connected to the rear axle they will in practice be fastened by the same bolts E that are used to fasten the hind springs, F, The rods A may of course be arranged side by side, instead of being crossed in this manner, or one larger bar may be employed. In any case the spring C will be arranged the same, and, in case of two bars being used, will be fastened to both, either with or without seats B, which will not be so necessary with two parallel bars as with a single bar, or with two crossing each other. The spring will be riveted or bolted to the seat, as may be preferred.

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

1. A reach for a child's carriage, composed of one or more bars, A, of malleable iron, and a spring, C, near the middle thereof, for supporting the front portion of the body, in combination with springs F, connecting the body to the hind axle, substantially as specified.

2. The combination of the diagonal reach-bars A, crossing each other, a spring-seat, B, at the junction of the bars, and a spring, C, for supporting the body attached to the seat, all substantially as specified.

J. MANVILL LEWIS.

Witnesses:

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