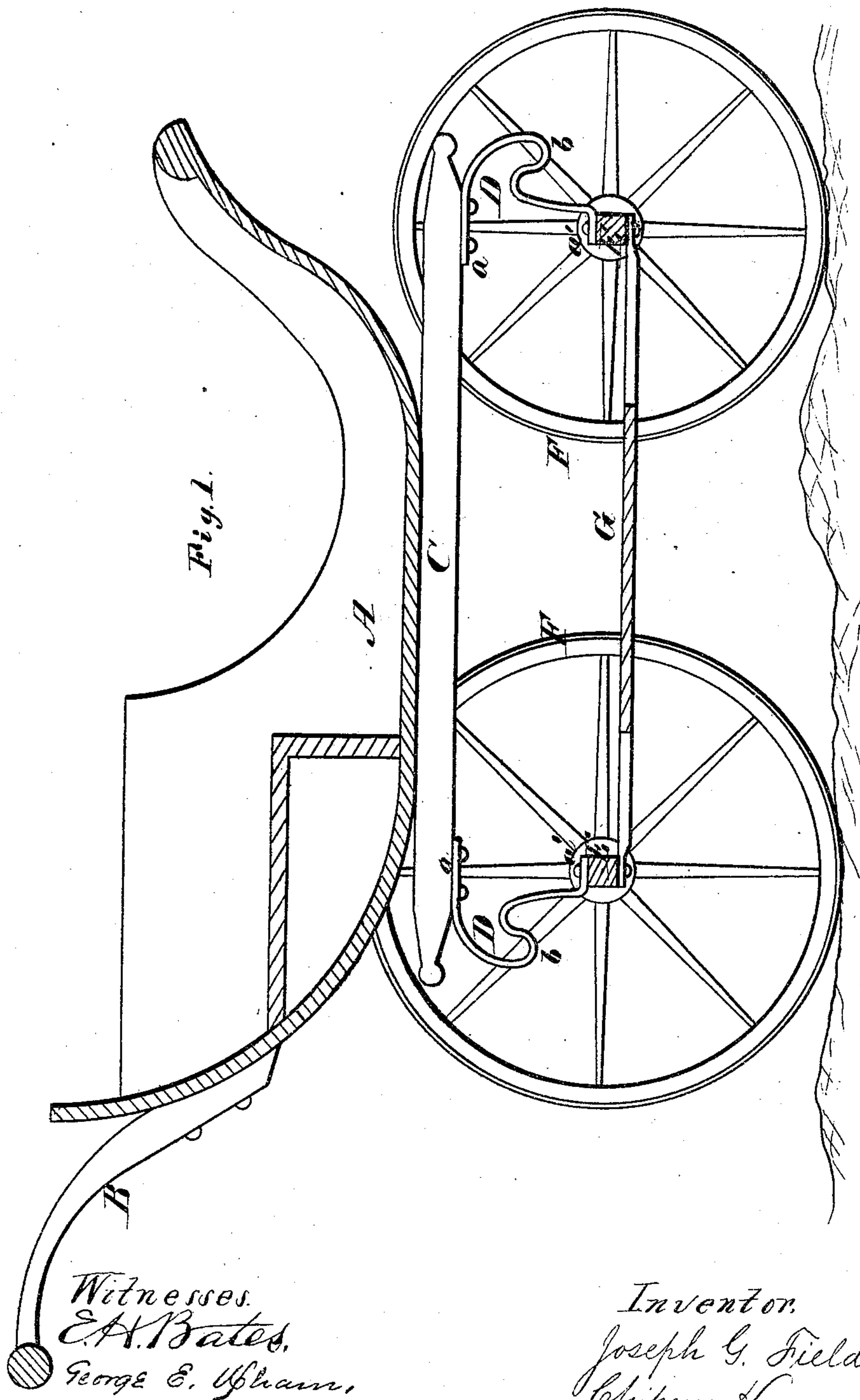


J. G. FIELD.
Springs for Children's Carriages.
No. 151,373. Patented May 26, 1874.

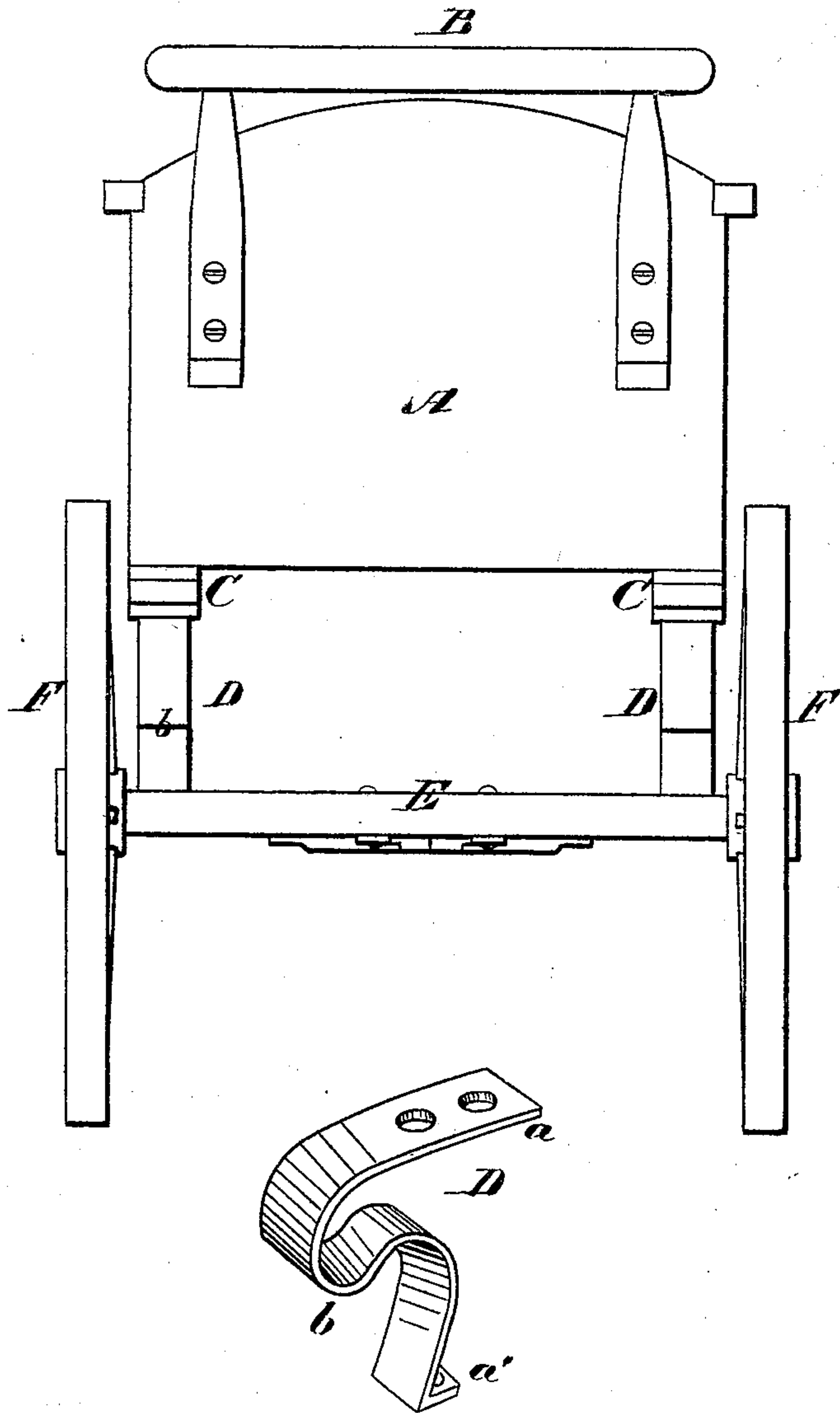


Witnesses.
E. A. Bates,
George E. Ugham.

Inventor.
Joseph G. Field,
Chipman & Son & Co.,
Atty.

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Fig. 2.



Witnesses.
E. A. Bates.
George E. Whann.

Inventor.
Joseph G. Field.
Chipman & Foster, & Co.,
Attys.

UNITED STATES PATENT OFFICE.

JOSEPH G. FIELD, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SPRINGS FOR CHILDREN'S CARRIAGES.

Specification forming part of Letters Patent No. **151,373**, dated May 26, 1874; application filed October 4, 1873.

To all whom it may concern:

Be it known that I, JOSEPH G. FIELD, of Brooklyn, in the county of Kings and State of New York, have invented a new and valuable Improvement in Child's-Carriage Springs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view of a child's carriage with my spring attached. Fig. 2 is a rear view of the same. Fig. 3 is a detail view.

This invention relates to an improvement which is especially applicable to carriages for children. It consists in mounting the body of a child's carriage on the axles by means of longitudinal bars and **G**-shaped springs, which will allow a free elastic motion to the carriage-body, both in a longitudinal and vertical direction, and which can be manufactured and applied to the carriage at a very small cost.

The following is a description of my improvement:

In the annexed drawings, A represents the body of the carriage, which, with its handles B, may be constructed in the usual well-known manner. C C are two longitudinal bars, which are rigidly secured to the bottom of the body,

and are of sufficient length to afford a firm bed for the body. D D represent springs, two of which are in front and two behind, which are secured to the bars C C, and also to the axles E E of wheels F F. The springs are shaped like the capital letter **G**, and present two horizontal ends, and an **S**-shaped curve, *b*, between the ends, which curve is so arranged that when the carriage is in motion the body A is allowed to receive a free elastic dancing motion vertically and longitudinally.

Springs thus constructed are easily and cheaply made by simply bending spring strap-steel into the shape shown in the drawings, and punching the ends of the spring so shaped, to receive the rivets by which it is secured to the bars and axles.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the longitudinal bars C C, axle E, and the springs D, having the perforations *a a'* and the central double curve *b*, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH G. FIELD.

Witnesses:

GEORGE E. UPHAM,
PHIL. C. MASI.