

G. W. MARBLE.
WAGON-SPRING.

No. 177,260.

Patented May 9, 1876.

Fig. 1.

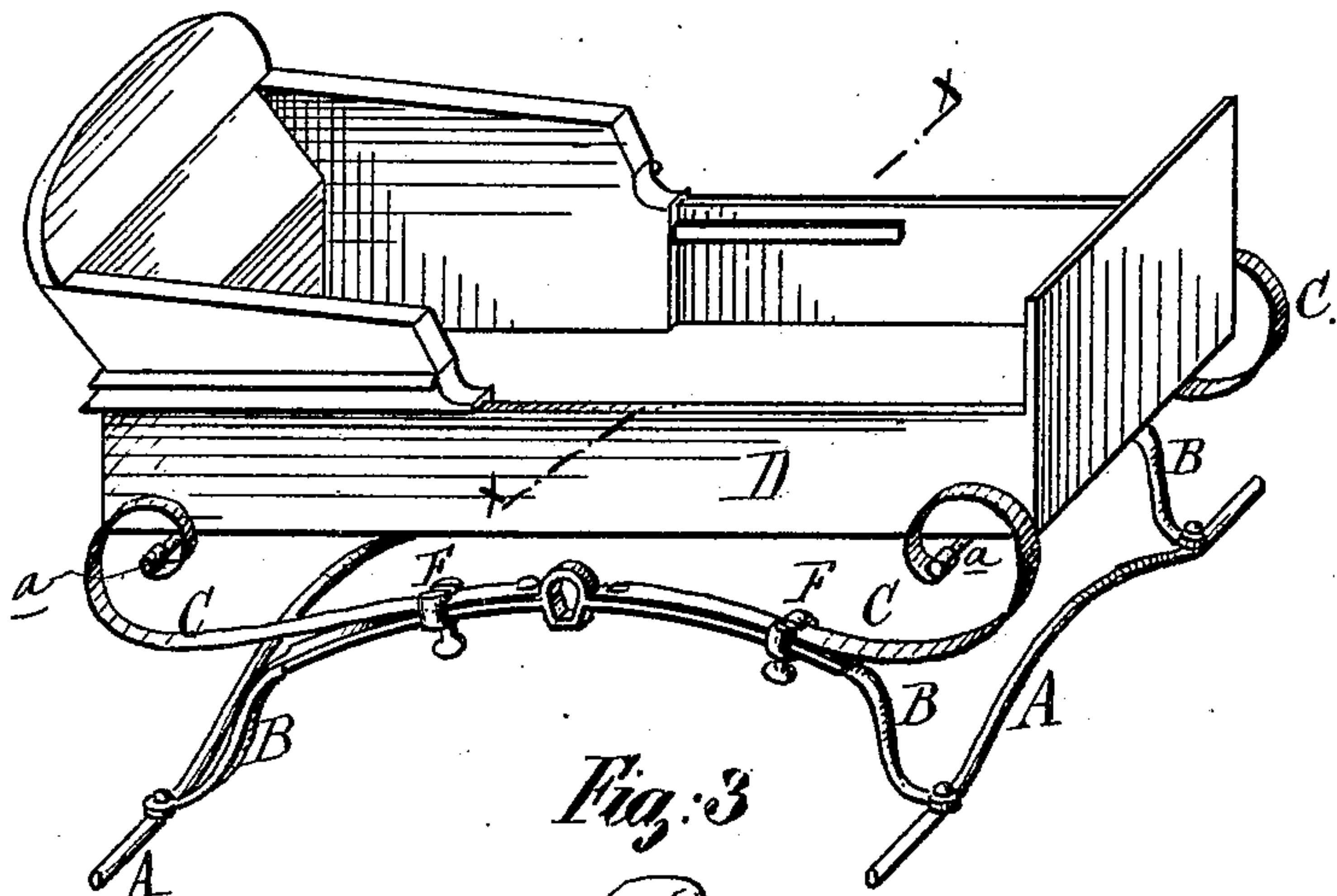


Fig. 3.

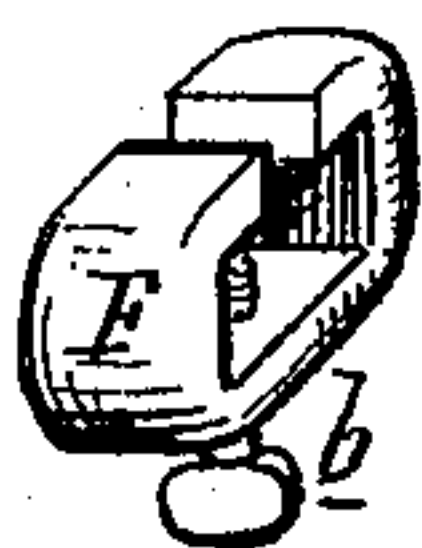
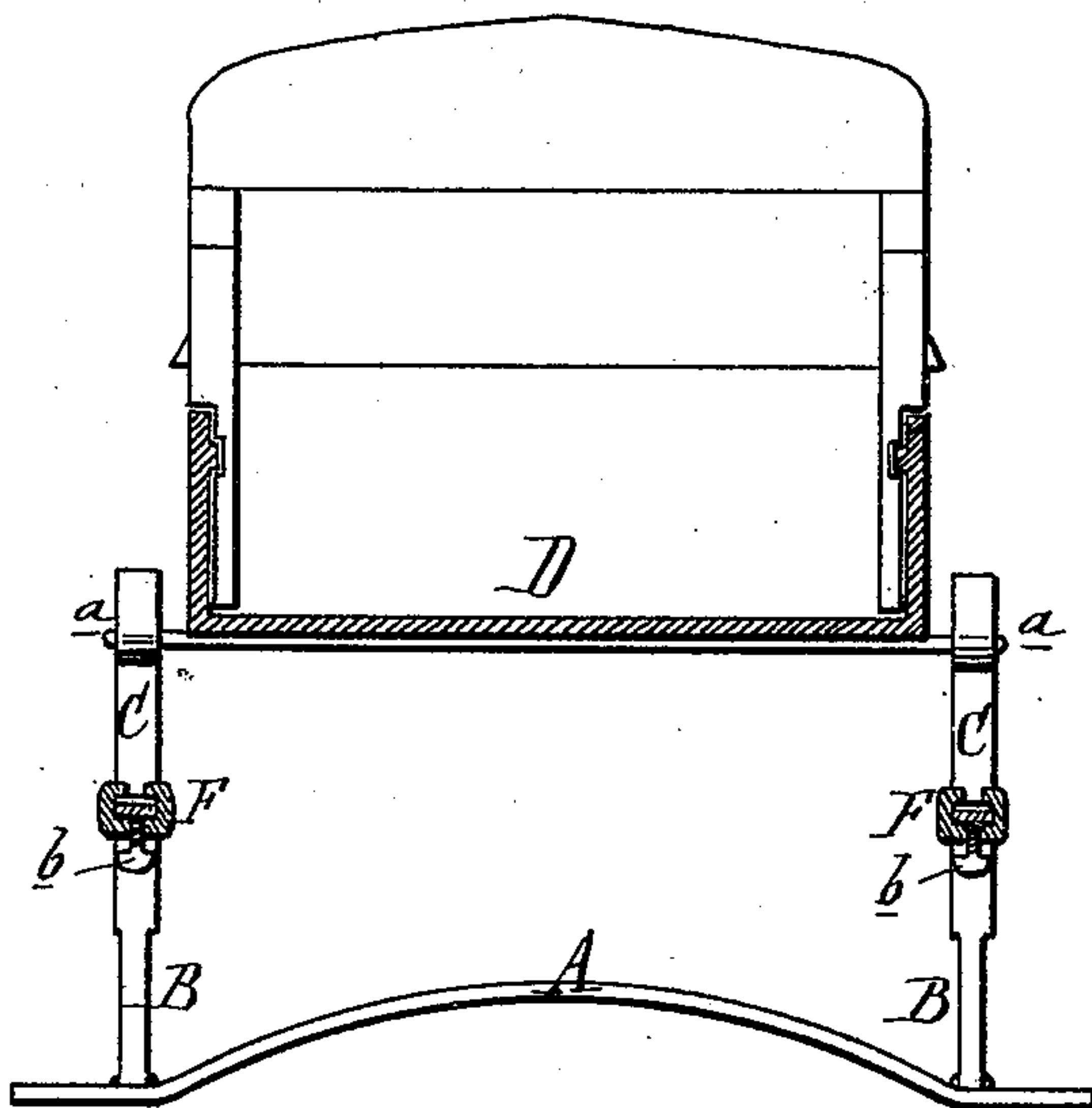


Fig. 2.



Attest.
Edward Barthel.
Chas. J. Nunk

Inventor.
G. W. Marble
By Atty
Thos. S. Sprague

UNITED STATES PATENT OFFICE

GEORGE W. MARBLE, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF HIS
RIGHT TO ADOLPH SHOENINGER, OF SAME PLACE.

IMPROVEMENT IN WAGON-SPRINGS.

Specification forming part of Letters Patent No. **177,260**, dated May 9, 1876; application filed
February 7, 1876.

To all whom it may concern:

Be it known that I, GEORGE W. MARBLE, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Carriages, of which the following is a specification:

My invention relates to an improved form of running-gear, so arranged that the springs will be outside the body of the vehicle, and are of such form as to afford a very easy and elastic support for the body, while the elasticity of the said springs can also be governed or regulated by a sliding clamp upon each. These improvements are equally applicable to pleasure-carriages and children's perambulators.

Figure 1 is a perspective view of a carriage with the seat run back. Fig. 2 is a cross-section at *x x*. Fig. 3 is a perspective view of a spring-clamp.

In the drawing, A A represent the axles, which, in a child's carriage, are connected by two metallic arch-shaped bars or reaches, B B, one at each side of and outside the box or body D of the carriages. Where the front axle is to turn the front ends of the bars B are bolted to the ends of a bolster, pivoted to said axle by a fifth-wheel in the usual way. The body is supported by four springs, C, of the C pattern, the inner end of each being

secured to the arch B, near the center thereof, while the outer end embraces a pin, *d*, projecting laterally from the bottom of the body.

The length and form of the spring are such as to make it very elastic, and thus afford an easy support for the body. If the elasticity be too great, the play of the spring can be reduced by sliding outward a clamp, F, which embraces the bar and spring, which clamp is provided with a set-screw, *b*, to secure it in position.

I am aware that C-springs have before been attached to baby-carriages, so as to be outside of the line of the body of such carriages, and I do hereby disclaim the broad invention thereof; but

What I claim as my invention is—

1. The clamp F, in combination with the springs C and reaches B, as and for the purpose set forth.

2. The combination, with the body D, of the arched reaches B, the C-springs C, the pins *a*, and the sliding clamps F, all constructed and arranged substantially as described and shown.

GEORGE W. MARBLE.

Witnesses:

WM. H. LOTZ,
W. HOFFMANN.