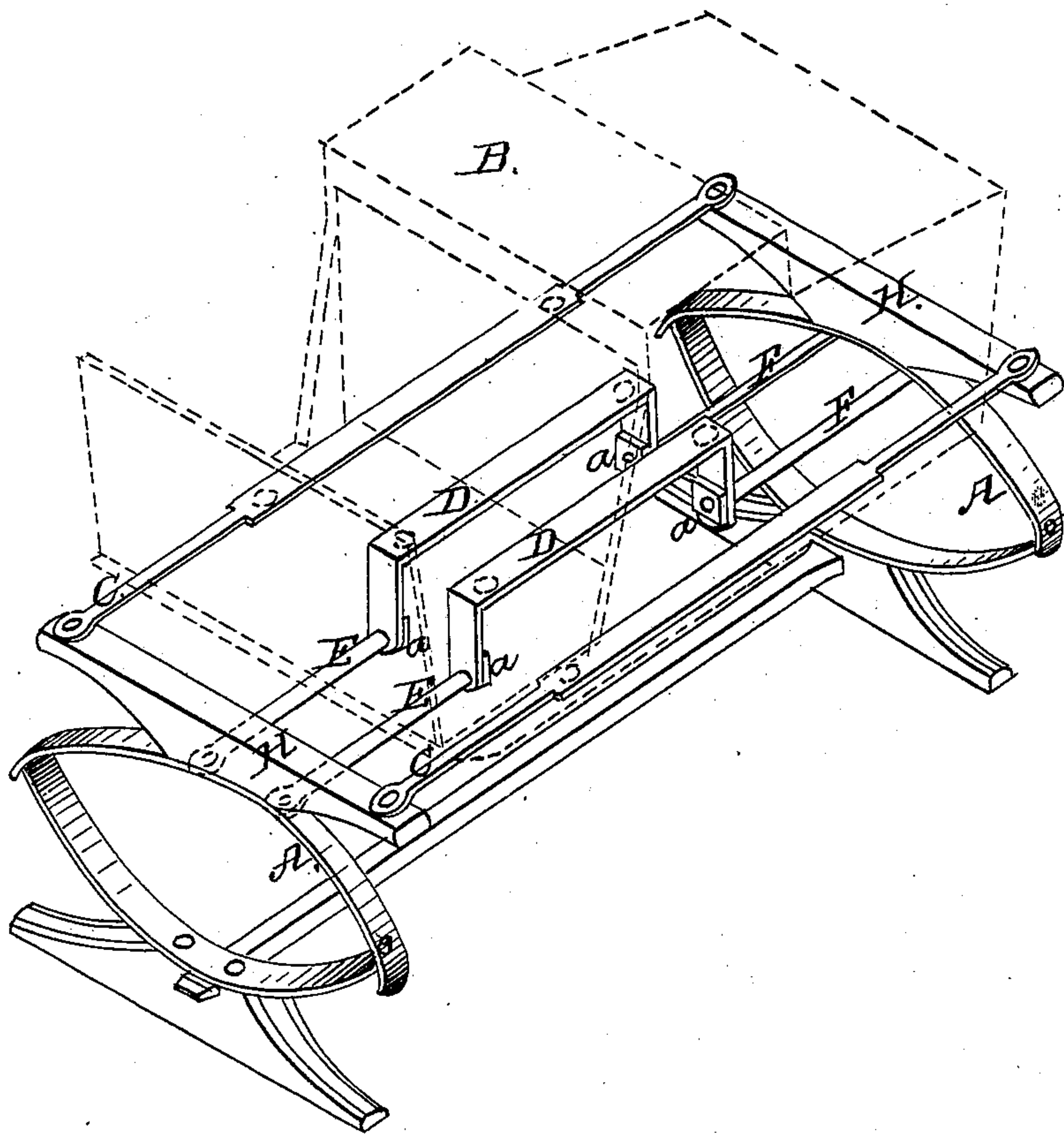


Carriage-Spring.

Patented Nov. 19, 1867.



A. A. Yestman
E. R. Shaw.

INVENTOR:
Stephen J. Spencer
Per
Alexander D. Mason
attys.

United States Patent Office.

STEPHEN J. SPENCER, OF YORKSHIRE, NEW YORK.

Letters Patent No. 71,240, dated November 19, 1867.

IMPROVEMENT IN VEHICLES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, STEPHEN J. SPENCER, of Yorkshire, in the county of Cattaraugus, and in the State of New York, have invented certain new and useful Improvements in "Buggies and other Vehicles;" and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In the annexed drawings, making part of this specification, A A represent the usual elliptic springs of a buggy, which are secured in the usual manner to the bed-pieces upon the axles. The buggy-box or body B is provided upon its under side with the stretcher-bars C C, which are bolted in the ordinary way to the cross-bars H H, which rest upon the upper sides of the springs. To the under side of the box are secured two metallic plates D D, which have their ends turned down, as seen, at right angles, said ends being provided with holes to receive the inner ends of rods E E. These rods E are confined to the under side of the upper leaves of the spring by means of the bolts, which confine the bars H H to the springs. Their inner ends, as has been stated, pass through the holes in plates D D, and are provided with nuts *a a*, to keep them in place and tighten them when necessary.

This invention consists in the use of the plates D D and rods E E in the position and manner herein described, for the purpose of tightening the body and preventing its rocking when the holes in the springs or their bolts rear. By keeping the rods E perfectly tight, the body is always firm and steady in its place.

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

The plates D D, secured to the bottom of the box or body, and the rods E E, connected to the upper portion of the springs, when used substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of September, 1867.

STEPHEN J. SPENCER.

Witnesses:

E. P. CARTER,

J. B. GAYLORD.