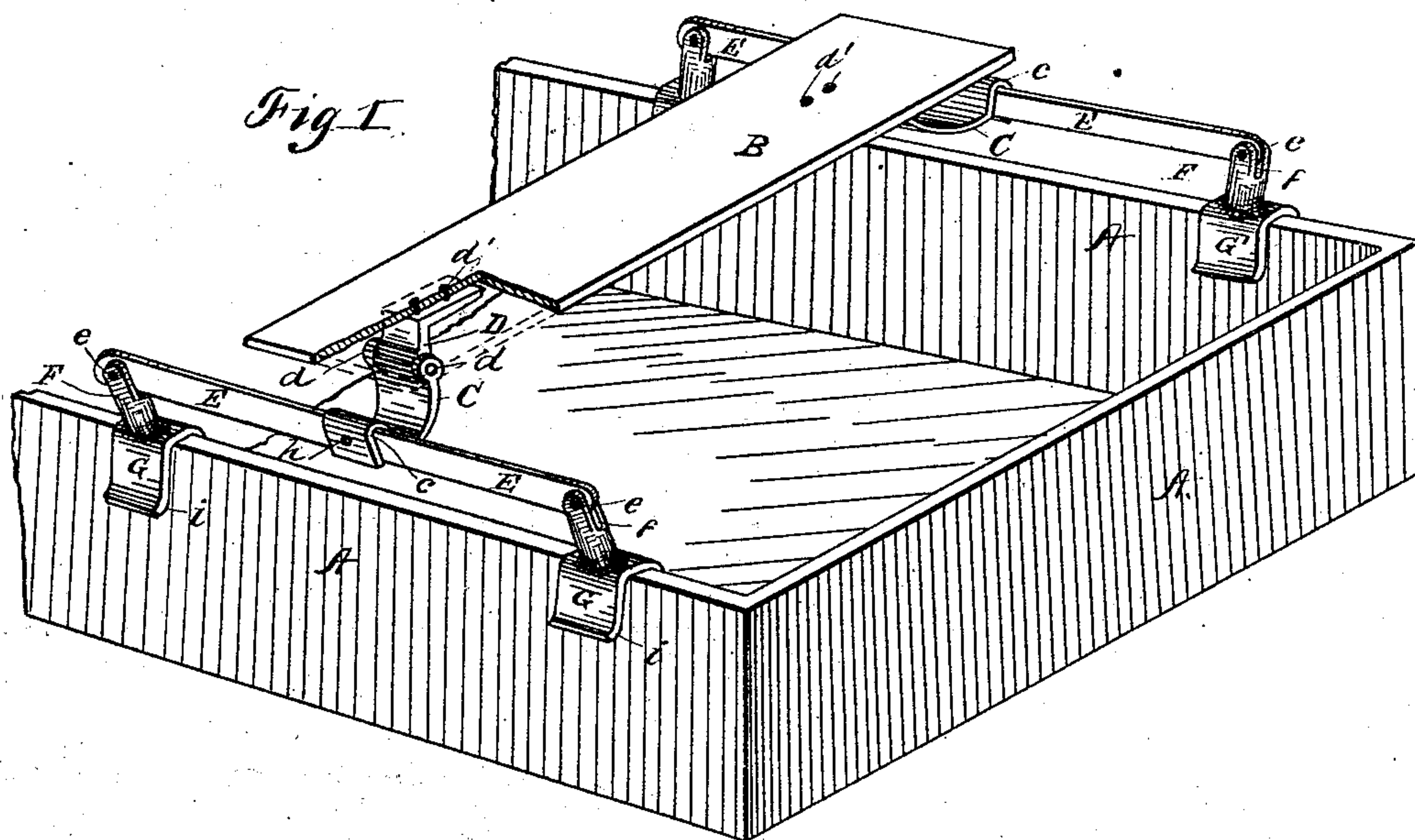


(No Model.)

J. W. WETMORE.
SEAT SPRING FOR VEHICLES.

No. 275,446.

Patented Apr. 10, 1883.



W. R. Edelen
Craig J. Reid

Inventor.

Jerome W. Wetmore

UNITED STATES PATENT OFFICE.

JEROME W. WETMORE, OF ERIE, PENNSYLVANIA.

SEAT-SPRING FOR VEHICLES.

SPECIFICATION forming part of Letters Patent No. 275,446, dated April 10, 1883.

Application filed September 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, JEROME W. WETMORE, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented a new and useful Improvement in Seat-Springs for Vehicles, of which the following is a specification.

My invention relates to flat-bar steel springs set obliquely in their bearings; and the objects of my improvement are to secure the sustaining strength of the metal placed on its edge and make available more completely the elasticity of all the steel used in the springs. I attain these objects by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view with the seat-board partially broken away at one end; Fig. 2, a view of one of the springs and its attachments.

A is the wagon box or body; B, the seat-board; C, the lever-clip, riveted or bolted to the spring at *h* and hinged to the standard D at *d*. D, the hanging standard, is bolted to the seat-board; E, the spring, perforated at each end *e* and in the middle, by which perforations

it is bolted to the standards or hanging clips G F and the lever-clip C.

The clip F G may be the ordinary hook hanging on the side of the box, the branches of it, which sustain the spring, inclined outward at an angle of about twenty-two degrees.

When the weight on the seat presses down, the lever C will twist the middle of the spring to be vertical and then to incline inward at about the angle with a vertical line which it had in the beginning. This change in the position of the middle portion of the spring is partially represented by the dotted and other lines each side of *c*, Fig. 2.

What I claim is—

The flat-bar spring with its ends held in standards, the line of its cross-section inclining outward about the one-fourth of a quadrant from a vertical line and clasped in the middle by a hinged strap, which connects it with the seat-board, substantially as described.

JEROME W. WETMORE.

Witnesses:

CRAIG T. REID,
G. B. KEENE.