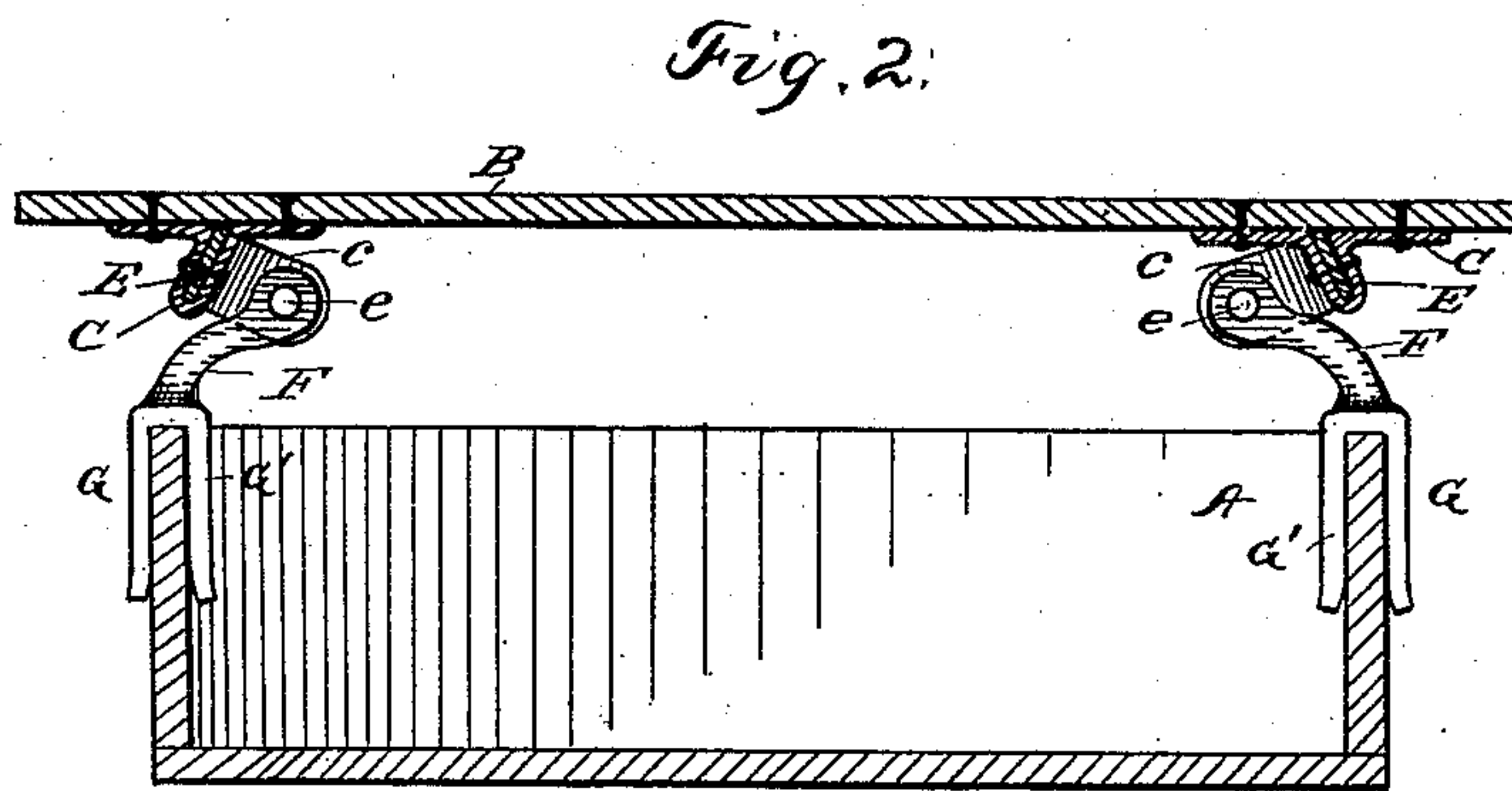
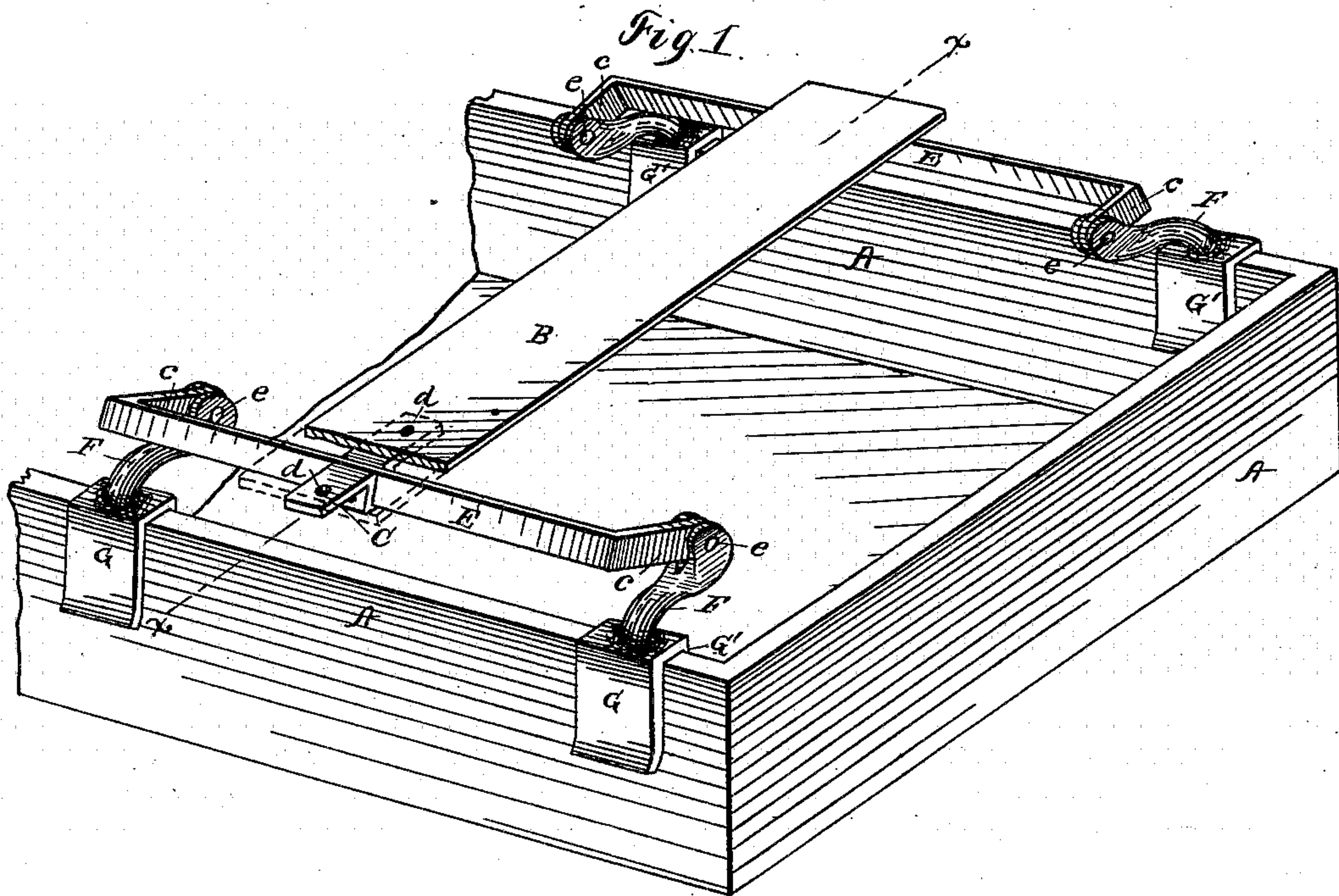


(No Model.)

J. W. WETMORE.  
SEAT SPRING FOR VEHICLES.

No. 275,555.

Patented Apr. 10, 1883.



Witnesses

W. R. Edelen Del.  
Craig J. Rice

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. 275,555, 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 under the seat-board; and the objects of my invention are to secure the sustaining strength of the metal placed on its edge and make available more completely the elasticity of the steel used in the spring. I attain these objects by devices illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view with one end of the seat-board broken away; Fig. 2, a section across the spring along the line *xx*.

A is the body or box of the wagon; B, the seat-board; C, the clip to hold the spring obliquely under the seat-board; E, the spring, with arms *c* at right angles with it; F G, the clip or standard in which the ends of the springs are hinged.

The weight on the board B depresses E, the

sections of which between B and the arms *c* are brought to a vertical position and then to an outward inclination, while the middle portion is held at its original angle. The torsion of E in this variation of the inclination of different parts between its arms produces the spring in the seat. The spring is deflected inward when set on the board, so that when the plane of the spring is vertical its outward deflection will equal that originally inward. When, on further depression, the plane above the spring-board inclines outward the deflection will again be inward.

What I claim is—

The flat bar spring with arms held in standards (the line of its cross-section inclining inward about twenty-two degrees) and clasped in the middle by a clip, to which it is bolted and by which it is held firmly to the seat-board, substantially as described.

JEROME W. WETMORE.

Witnesses:

CRAIG F. REID,  
G. B. KEENE.