

J. A. Fegan.

Bed Bottom.

Nº 87,403.

Patented Mar. 2, 1869.

Fig. 1.

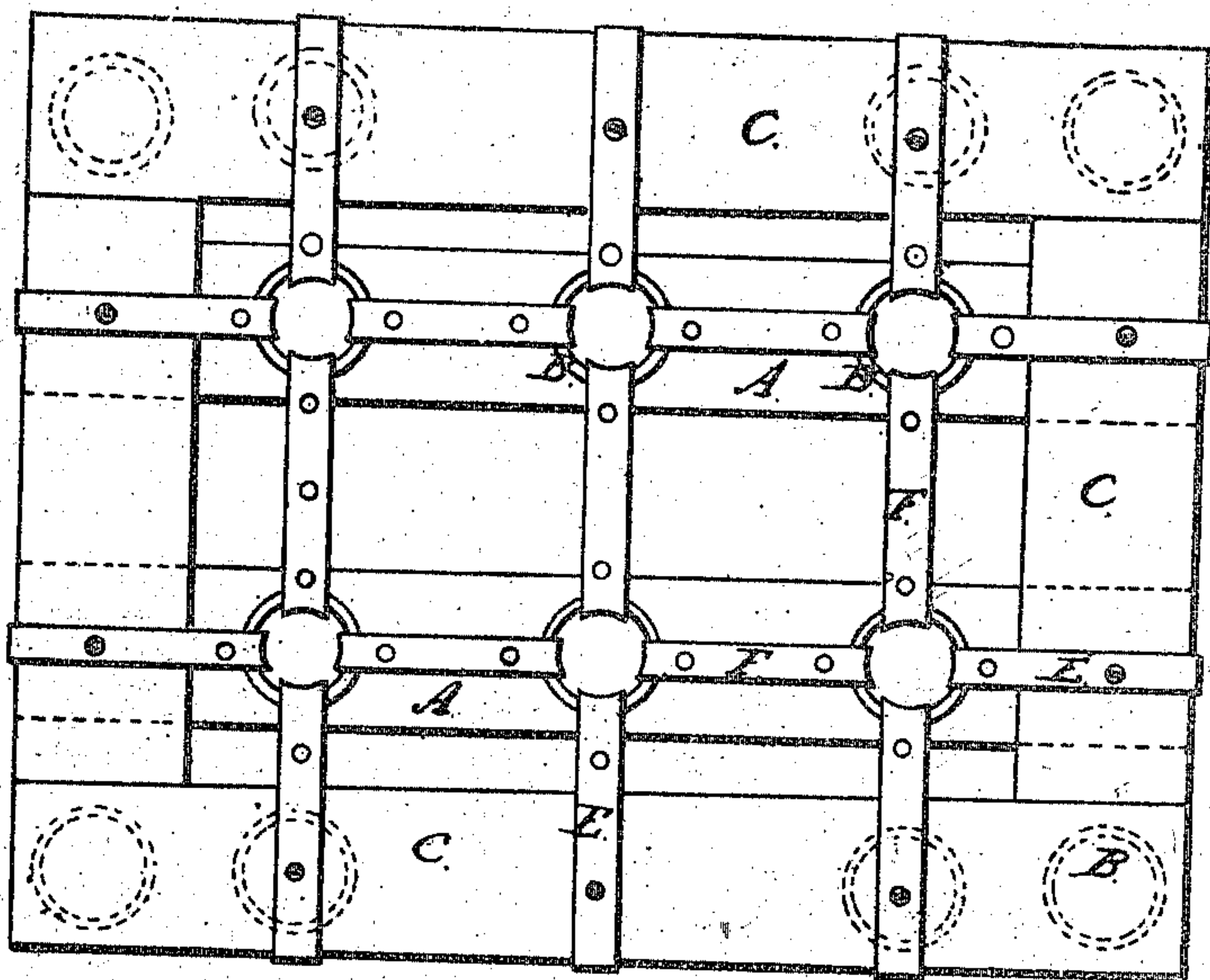
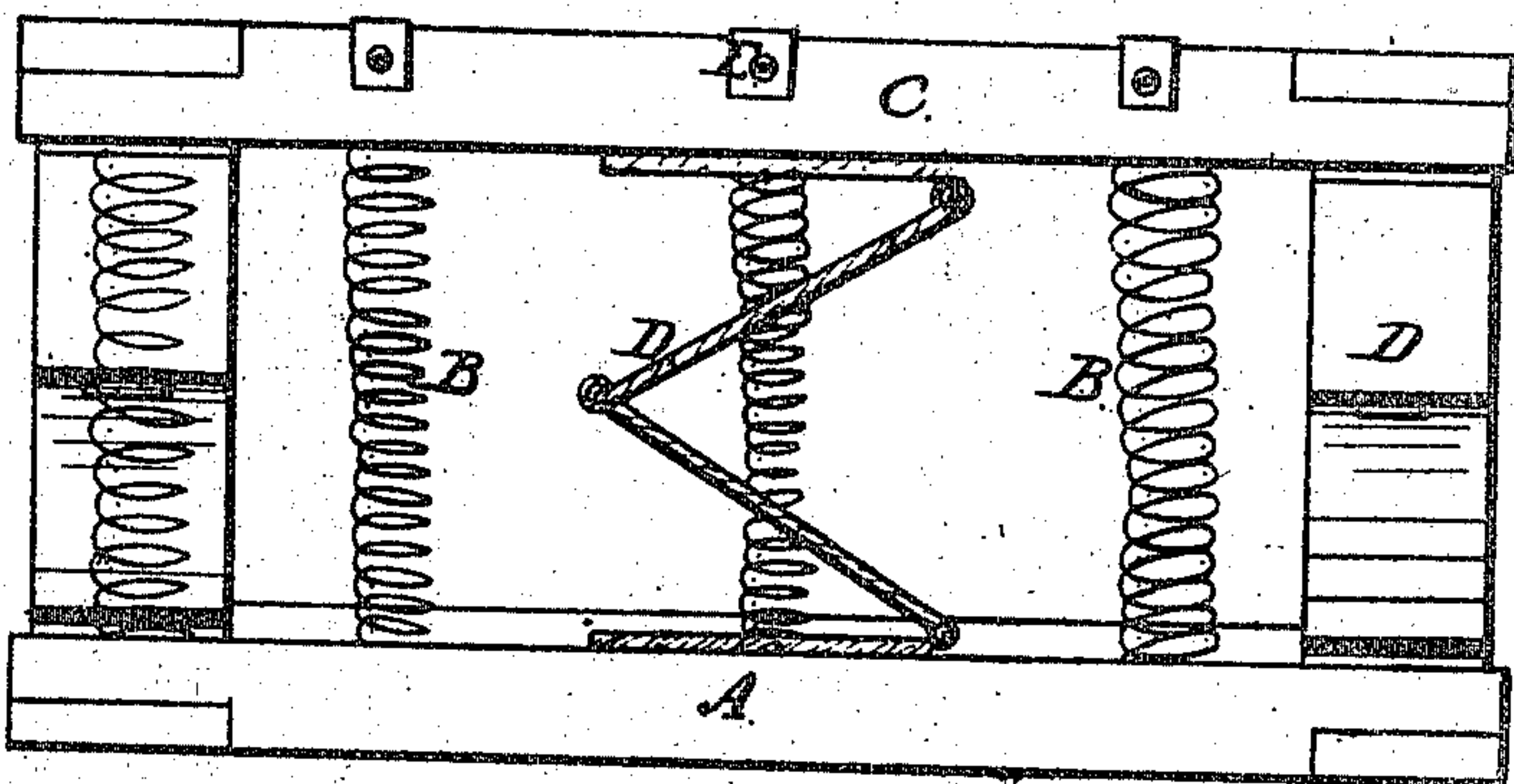


Fig. 2.



Witnesses:

Wm. Dennis
Wm. Seaman

Inventor:

James A. Fegan
By his Atty. J. Dennis



JAMES A. FEGAN, OF BROOKLYN, NEW YORK.

Letters Patent No. 87,493, dated March 2, 1869.

IMPROVED SPRING-BED BOTTOM

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, JAMES A. FEGAN, of Brooklyn, Kings county, State of New York, have invented an Improved Bed-Bottom, or Spring-Mattress; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains, to make and use my said invention or improvements without further invention or experiment.

The nature of my invention and improvement in spring-bed bottoms consists in a hinge, made of four metal plates, united by three joints, in combination with the frames, springs, and strips, hereinafter described.

In the following more exact description of my invention, I shall refer to the accompanying drawings, forming part of this specification—

Figure 1 being a plan, and

Figure 2, an elevation of one of my improved bed-bottoms.

The bottom frame A supports the springs B B, which in turn support the top frame C.

Between the top and bottom frames, at each end and side of the bed-bottom, are placed hinges, D D, consisting of four metal plates, connected together by three hinge-joints, the two intermediate plates being made of the same length,

The end plates of each hinge are to be firmly secured, one to the rail of the bottom frame, and the other to the corresponding rail of the top frame, and are to be so placed that the axes of the joints, or hinges, at the

ends of these plates, shall be equally distant from corresponding ends of their respective rails, and at right angles to the direction of the length of the rail.

These hinges are to be made wide enough and strong enough to prevent their bending or springing to any considerable extent edgewise, and lateral motion, either of the side or end rails of the top frame, is thus prevented, and the top frame kept directly over the bottom one, while it is allowed to vibrate up and down freely.

To keep in place the tops of the springs, and form a suitable bearing for the bedding, I fasten, upon the frame C, strips of sheet-metal, E E, and connect them to the adjoining springs, by passing them around the wire of the spring and riveting them, or in some other suitable manner, and connect the top of each spring to the tops of the adjacent springs by similar strips, F F, attaching them to the springs in a similar manner. The elongation of the tops of the springs will, in effect, lengthen these connections, and allow any particular part to sink when pressed.

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

A hinge, made of four metal plates, united by three joints, in combination with the frames A C, springs B, and strips E F, substantially as described.

JAMES A. FEGAN.

Witnesses:

J. DENNIS, Jr.,

T. O. CONNOLLY.