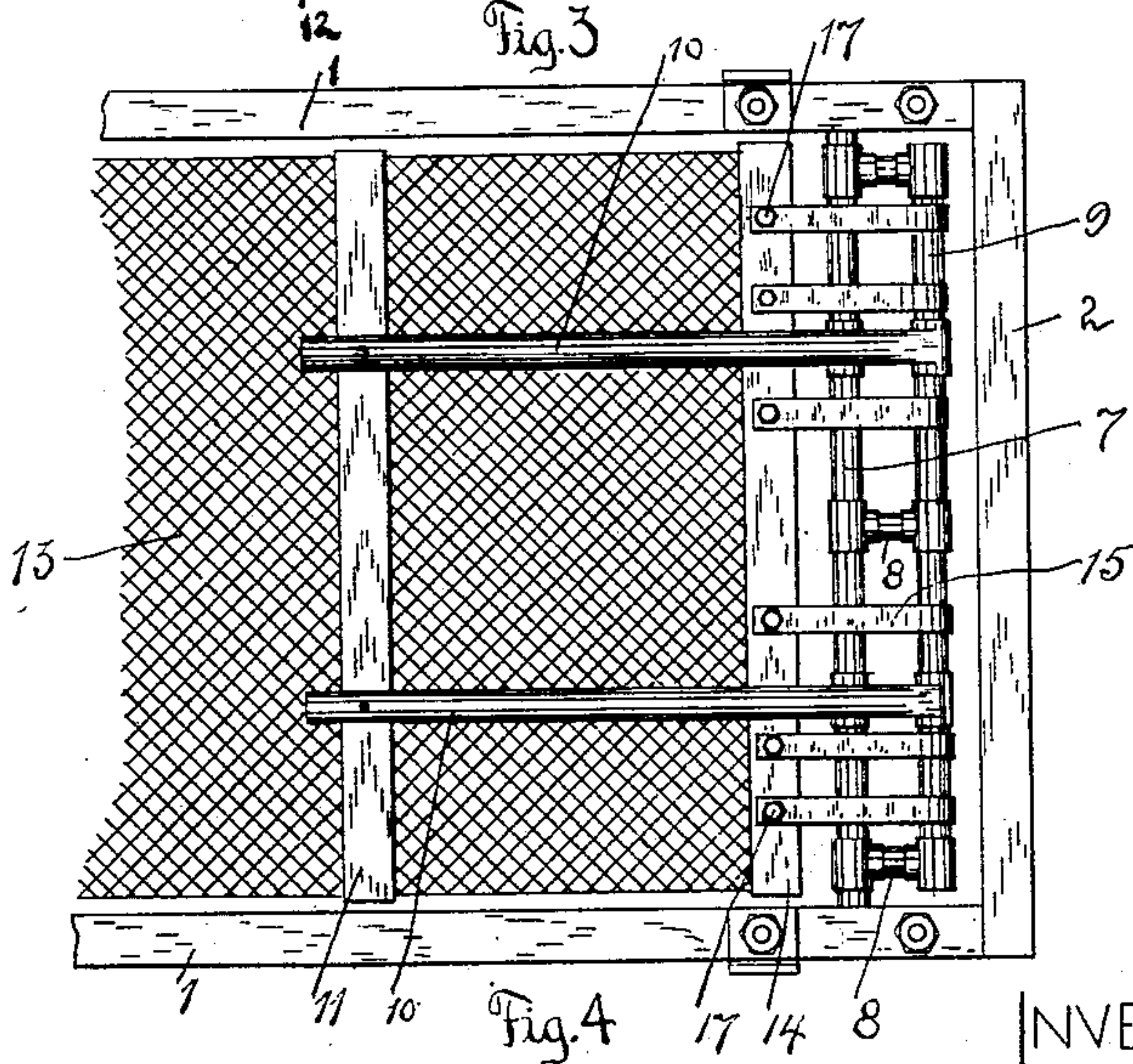
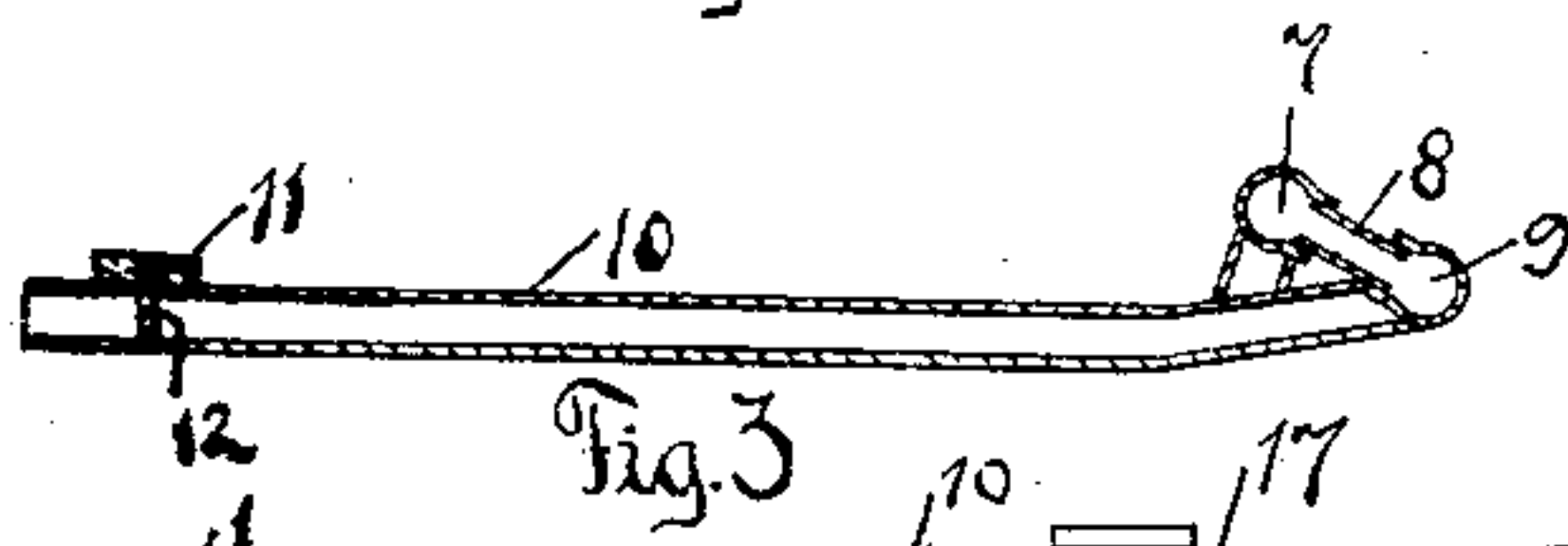
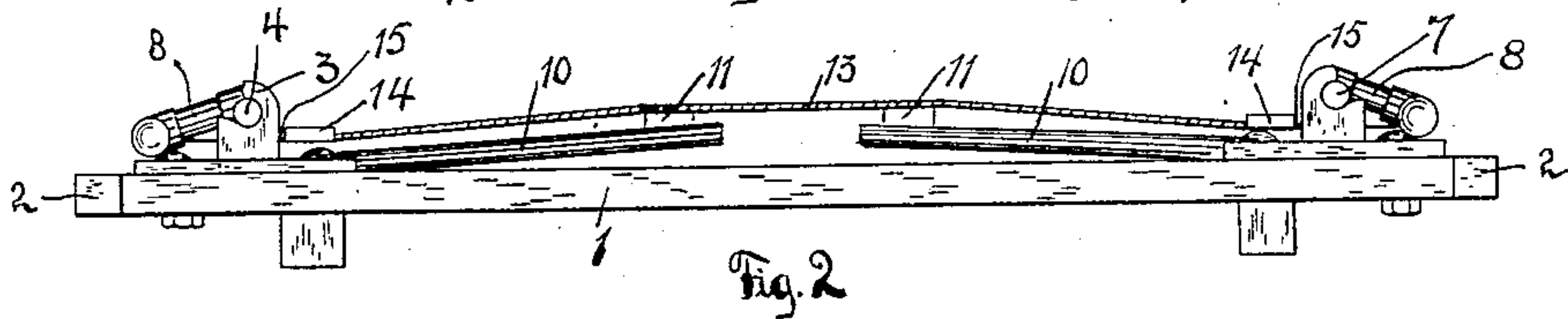
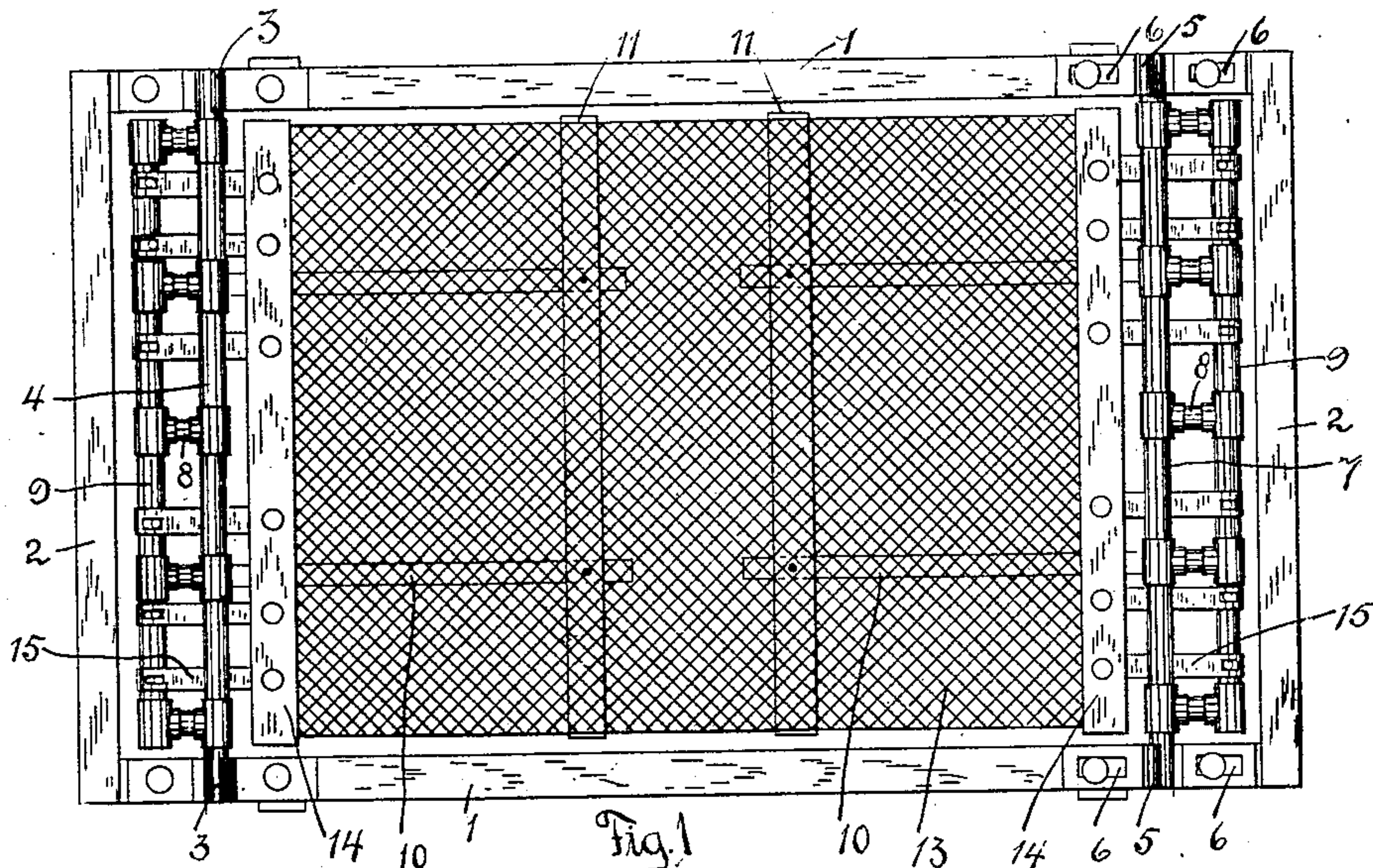


No. 750,821.

PATENTED FEB. 2, 1904.

J. DAIGNEAULT.  
SPRING BED BOTTOM.  
APPLICATION FILED MAR. 5, 1902.

NO MODEL.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JOSEPH DAIGNEAULT, OF BUFFALO, NEW YORK.

## SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 750,821, dated February 2, 1904.

Application filed March 5, 1902. Serial No. 96,863. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH DAIGNEAULT, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Spring Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in spring bed-bottoms, and more particularly to that class in which the spring-surface is composed of woven wire, having underneath the same adjustable means for supporting such surface in a practically level position.

The object of my invention is to provide an improved construction whereby the bed-bottom is prevented from sagging or tilting when weight is applied, thus preserving a practically level position with persons of unequal weight lying on opposite sides thereof.

To that end my invention consists of certain details of construction, all of which will be fully hereinafter described and claimed.

In the drawings, Figure 1 is a top plan view of my improved bed-bottom. Fig. 2 is a side elevation of the same. Fig. 3 is a fragmentary section showing the manner of securing certain parts, and Fig. 4 is an under side view of a portion of Fig. 1.

Referring to the drawings, 1 1 are the side bars, and 2 2 are the end bars, of the frame of the bed-bottom. This frame preferably consists of square tubing of sheet-steel plugged with hard wood at the points where the securing-bolts pass through to form sockets for the same. If desired, angle-iron could be employed to form such frame.

3 3 are bearings rigidly bolted to the frame and in which is journaled the cross-bar 4.

5 5 are open bearings adjustably bolted to the frame by means of the slots 6 6 in the bearing-plates. In these open bearings 5 5 the cross-bar 7 is removably journaled, as clearly shown in Figs. 1 and 2. Rigidly secured to the cross-bars 4 and 7 by the connecting-arms

8 are the parallel eccentric bars 9 9, to each of which are rigidly secured the longitudinal arms 10 10. Each pair of arms 10 10 are connected at their inner ends by the hardwood cross-slats 11 11, which are held in place by the pins 12, which enter the arms 10 10, as clearly shown in Fig. 4.

13 is a sheet of woven wire forming the bed-bottom, which is bound at each end by the strips 14. The strips 14 are secured to the eccentric bars 9 by the flexible metal strips 15.

In operation the upward spring-thrust of the longitudinal arms 10 10 and their cross-slats 11 11 is dependent upon the position of the open bearings 5 5 upon the frame. As they are moved toward the end of the frame the upward thrust increases, and vice versa, so that the resiliency or spring action of the bed-bottom can be nicely adjusted to the weight placed upon it. By lengthening or shortening the strips 15 the bed-bottom may be raised or lowered in its level, as desired, the position shown in Fig. 2, with its center slightly raised, being preferable.

The system of straps 15, secured to the eccentric rods 9, make it an impossibility for the bed-bottom to tilt with unequal weights on opposite sides, as the unequal bearing is distributed across the rigid eccentric rods 9, which always rise or fall in a horizontal position.

I claim—

1. In a spring bed-bottom, in combination, the bed-bottom frame, bearings secured to the bed-bottom frame, the cross-bar journaled in the bearings, open bearings secured to the bed-bottom frame, a cross-bar removably journaled in the open bearings, parallel eccentric bars rigidly secured to the cross-bars, a woven-wire bed-bottom flexibly secured to the eccentric rods, and means rigidly secured to the eccentric cross-bars and extending under the bed-bottom, for exerting an upward spring-thrust against the same.

2. In a spring bed-bottom, in combination, the bed-bottom frame, bearings secured to the bed-bottom frame, a cross-bar journaled in the bearings, open adjustable bearings secured to the bed-bottom frame, a cross-bar removably journaled in the open adjustable bearings, the



parallel eccentric bars rigidly secured to cross-bars, a woven-wire bed-bottom flexibly secured to the eccentric rods, and means rigidly secured to the eccentric cross-bars and extending under the bed-bottom, for exerting an upward spring-thrust against the same.

3. In a spring bed-bottom, in combination, the bed-bottom frame, bearings secured to the bed-bottom frame, the cross-bar journaled in the bearings, open bearings secured to the bed-bottom frame, a cross-bar removably journaled in the open bearings, parallel eccentric bars rigidly secured to the cross-bars, a woven-wire bed-bottom flexibly secured to the eccentric rods, the longitudinal arms rigidly secured to the eccentric bars and extending under the bed-bottom, and the cross-slats secured to the longitudinal arms for exerting an upward spring-thrust against the bed-bottom.

4. In a spring bed-bottom, in combination,

the bed-bottom frame, bearings secured to the bed-bottom frame, a cross-bar journaled in the bearings, open adjustable bearings secured to the bed-bottom frame, a cross-bar removably journaled in the open adjustable bearings, the parallel eccentric bars rigidly secured to cross-bars, a woven-wire bed-bottom flexibly secured to the eccentric rods, the longitudinal arms rigidly secured to the eccentric bars and extending under the bed-bottom, and the cross-slats secured to the longitudinal arms, for exerting an upward spring-thrust against the bed-bottom.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JOSEPH DAIGNEAULT.

Witnesses:

JOHN C. DRAWBRIDGE,  
EDW. FLETCHER.