

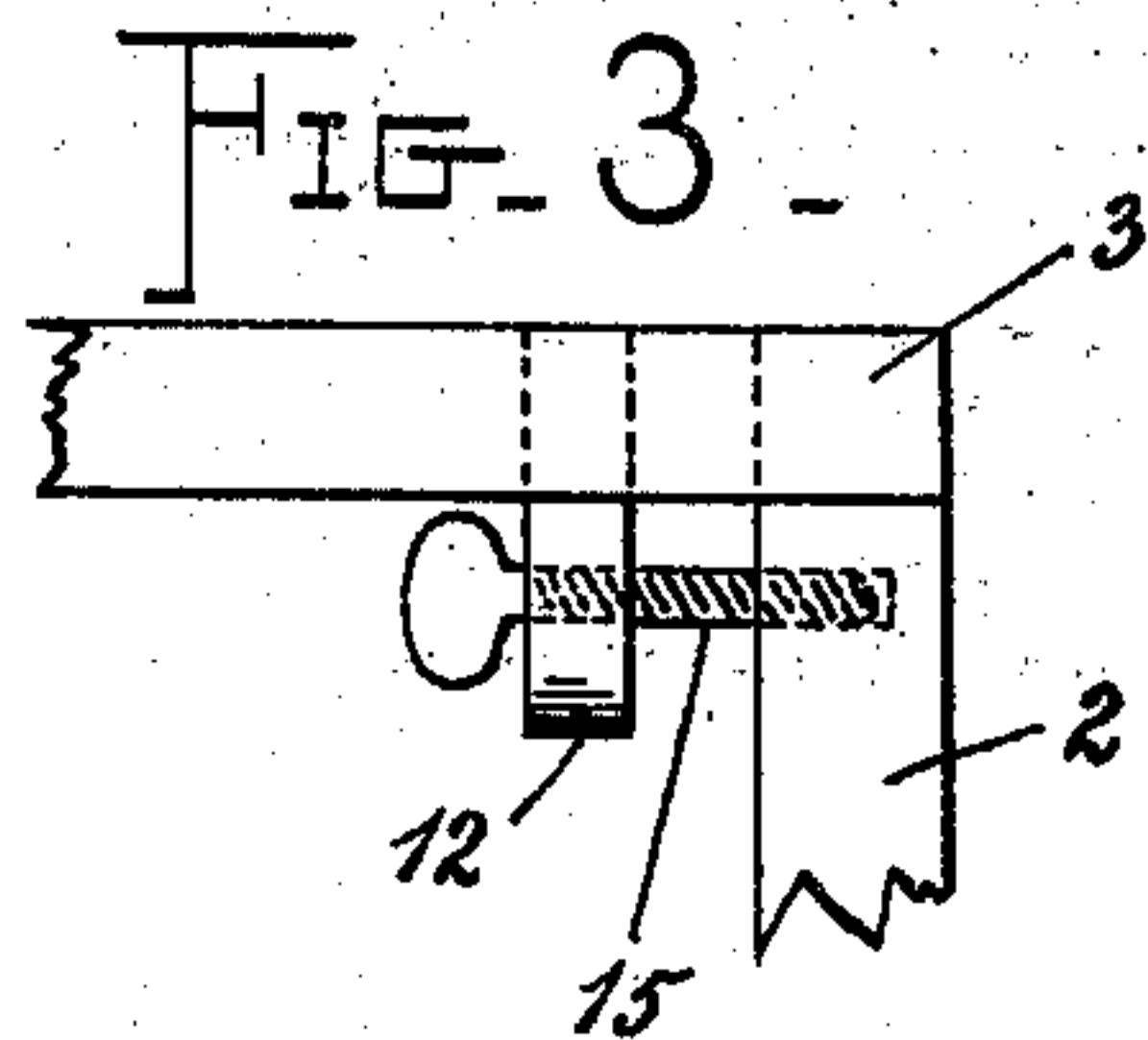
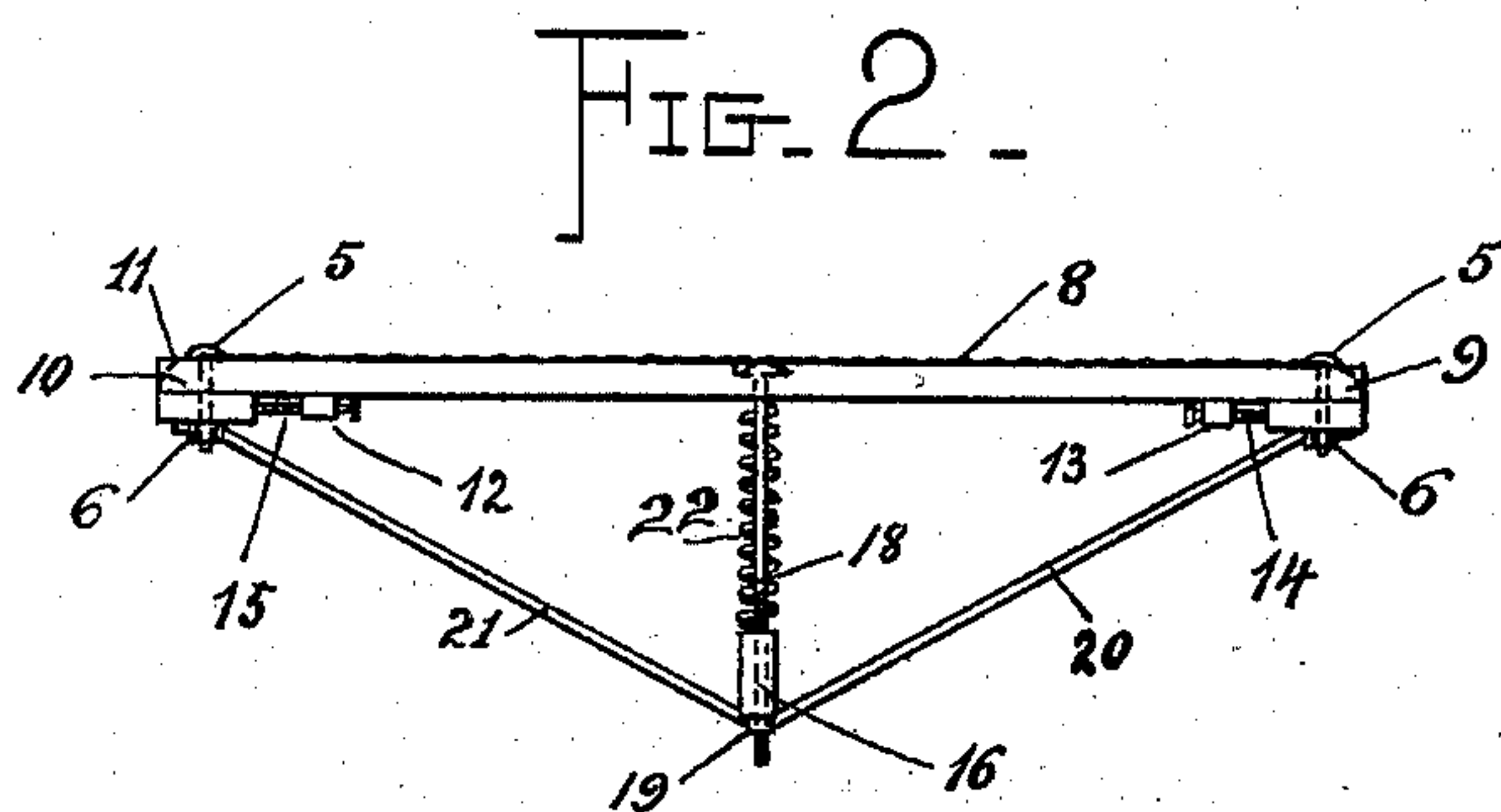
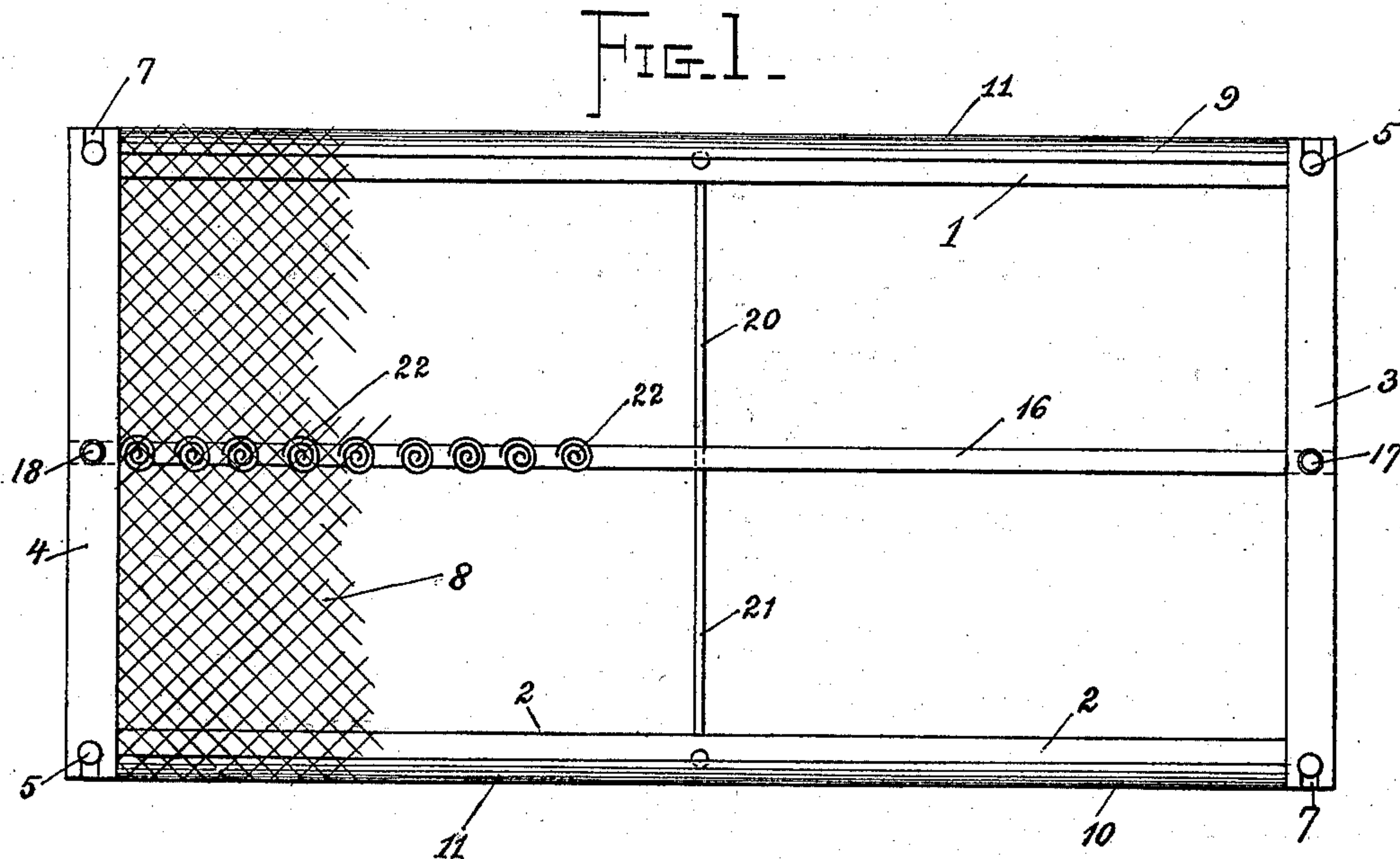
No. 608,232.

Patented Aug. 2, 1898.

N. J. SHIELDS.
SPRING BED.

(Application filed Jan. 26, 1897.)

(No Model.)



WITNESSES

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NATHANIEL J. SHIELDS, OF STEVENSON, NORTH DAKOTA.

SPRING-BED.

SPECIFICATION forming part of Letters Patent No. 608,232, dated August 2, 1898.

Application filed January 26, 1897. Serial No. 620,768. (No model.)

To all whom it may concern:

Be it known that I, NATHANIEL J. SHIELDS, a citizen of the United States, residing at Stevenson, in the county of Morton and State of North Dakota, have invented certain new and useful Improvements in Spring-Beds; 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.

My invention relates to spring-beds.

My object is to provide a spring-bed of improved construction which will comprise but few parts, all of which will be of extremely strong and durable construction and so arranged and disposed in relation to each other that a very easy bed will be provided.

A further object is the provision of a spring-bed the parts of which are adjustable in a novel manner and are peculiarly disposed in relation to each other, so that the resistance to pressure can be regulated to any desired degree.

Having these objects in view, the invention consists of a novel form of spring-bed comprising certain improved features and peculiar combinations appearing more fully hereinafter.

In the accompanying drawings, Figure 1 is a plan view of my improved spring-bed; Fig. 2, an end view thereof, and Fig. 3 a detail view of the connection at one of the corners of the bed.

There are two side rails 1 and 2, which are of similar construction.

The numerals 3 and 4 designate end rails.

At each corner of the bed there is a bolt 5, having a nut 6. Said bolt passes loosely through the side rails, but its shank is received in a slot 7, leading from the end of the end rail inwardly. It will thus be seen that the side rails can be moved outwardly or inwardly and these bolts clamped in position, so that the proper tension can be brought to bear on the woven-wire bed-bottom now to be described. This woven-wire bed-bottom is designated by the numeral 8. Strips 9 and 10 are screwed or nailed to the tops of the side rails. These strips are preferably provided with outer rounded edges 11, so that

the bed-bottom will not be damaged in any manner.

The woven-wire bed-bottom is stretched crosswise of the frame over the strips 9 and 10, which are of sufficient height to raise the bed-bottom flush with the end rail and has its edges passed down the side rail and bent thereunder. Clamping-strips 10' and 11' firmly bind the edges of the bed-bottom to the bottoms of the side rails. It will be observed that the bed-bottom is connected to the side rails only and not attached to the end rails in any manner. There is great advantage in thus placing the bed-bottom, as it is then in the best position to adapt itself to the form of the occupant of the bed, and hence be extremely comfortable. Connected to each end rail are downwardly-extending lugs 12 and 13. The numerals 14 and 15 designate adjusting-screws, which pass through said lugs and bear against the side rails. By turning the screws the side rails can be spread, as found desirable. At 16 I have shown a center rail, which extends longitudinally of the bed and centrally thereof.

The numerals 17 and 18 designate hanger screw-threaded bolts which pass through the end rails and the end portions of the center rail, and each is provided with a nut 19. By turning these nuts the center rail can be raised or lowered.

The numerals 20 and 21 designate braces which are pivotally connected both to the center rail and the side rails. These braces prevent the side rails from springing in when the bed is in use. At 22 there is shown a series of spiral springs which are secured to the center rail and support the center portion of the bed-bottom 8.

Owing to the peculiar construction of my improved spring-bed it can be adjusted, as before described, to bring a proper tension both on the bed-bottom and the spiral springs, so that the bed will be extremely easy and comfortable.

There are many slight changes which could be resorted to in constructing my invention without detracting from any of its advantages, and it is to be understood, therefore, that I do not limit myself to the precise construction herein shown and described, but

consider that I am entitled to all such variations as come within the spirit and scope of the invention.

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

1. In a spring-bed, the combination with a frame composed of side and end rails relatively adjustable, of a flexible bed-bottom
10 connected to said frame, a center rail extending longitudinally of the bed below the bed-bottom, braces secured to said center rail and to the side rails of the frame, and means for
15 adjusting said center rail vertically, and maintaining the same in adjusted position whereby the tension of the bed-bottom can be regulated.

2. In a spring-bed, the combination with side and end rails relatively adjustable and a flexible bed-bottom connected to the side
20 rails, of a center rail, bolts depending from the end rails and passing through the center rail, nuts on said bolts, springs interposed between the bed-bottom and the center rail,
25 and braces connected to the center rail and the side rails.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

NATHANIEL J. SHIELDS.

Witnesses:

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WM. S. BROWNING.