

No. 672,904.

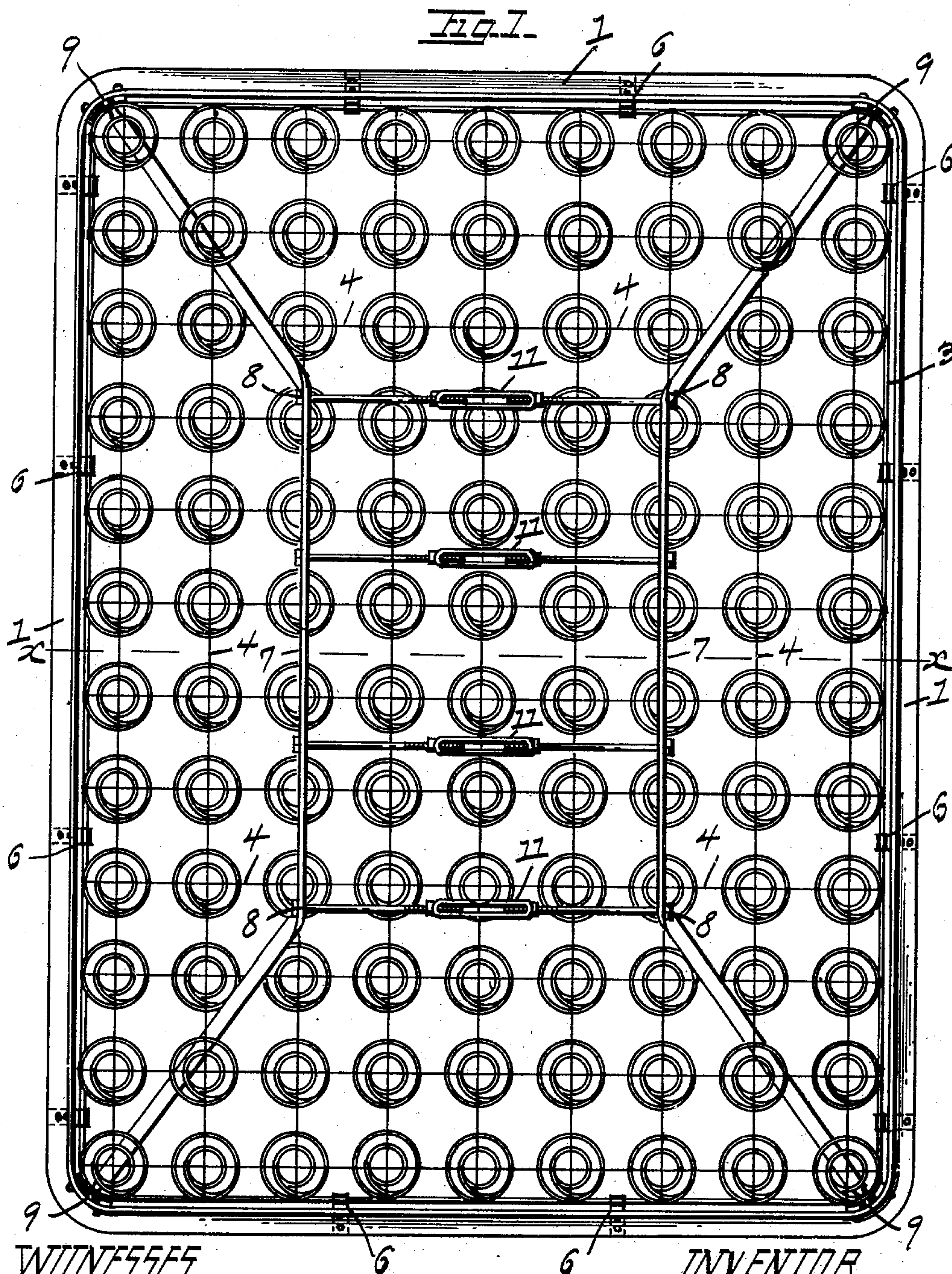
Patented Apr. 30, 1901.

J. B. HUCKLEBURY.
ADJUSTABLE BED SPRING.

(No Model.)

(Application filed Dec. 10, 1900.)

2 Sheets—Sheet 1.



WITNESSES

Chas. Deffenbaugh.
Jas. H. Brown.

INVENTOR

John B. Hucklebury.
By Carl H. Keller atty.

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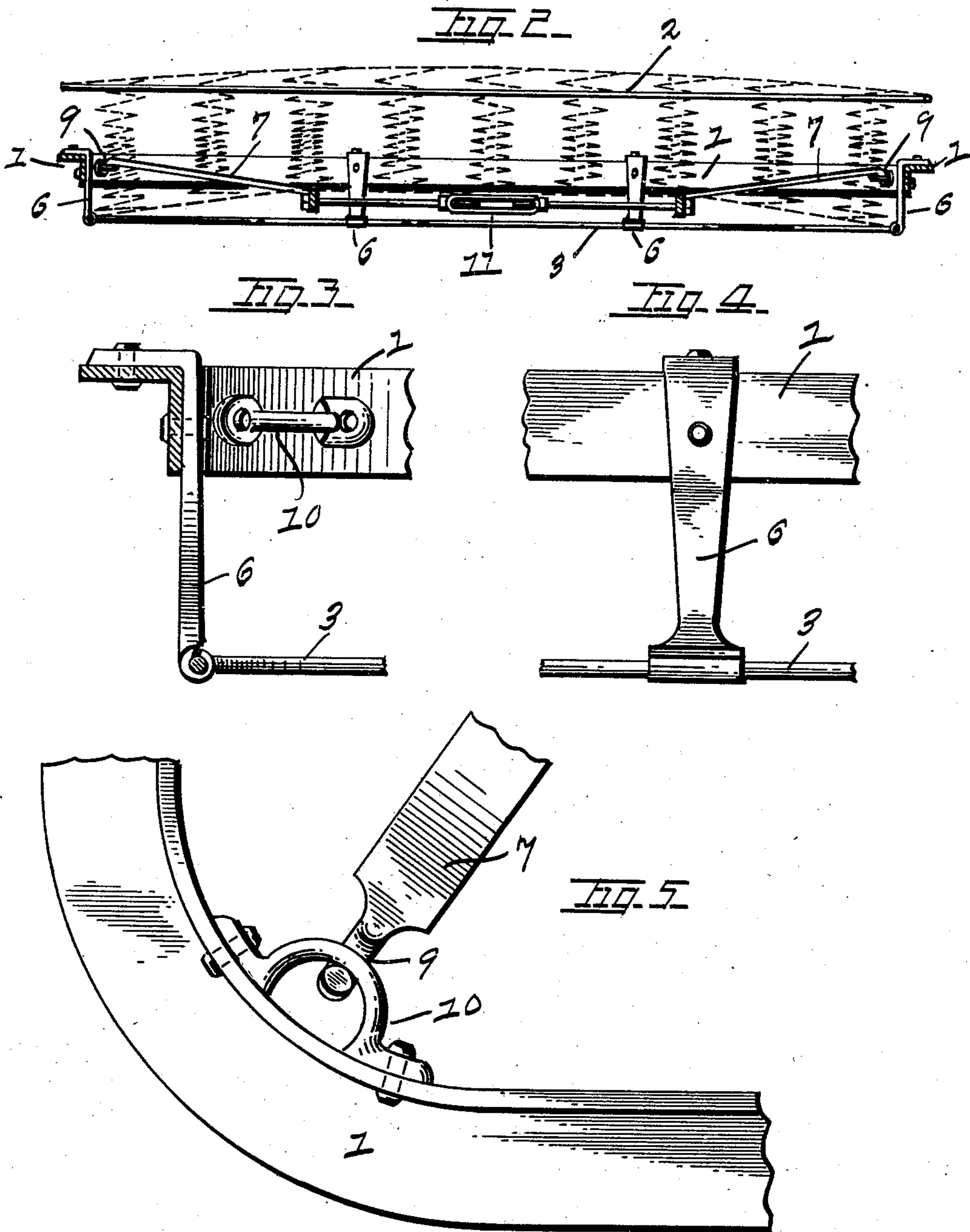
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UNITED STATES PATENT OFFICE.

JOHN B. HUCKLEBURY, OF TOLEDO, OHIO.

ADJUSTABLE BED-SPRING.

SPECIFICATION forming part of Letters Patent No. 672,904, dated April 30, 1901.

Application filed December 10, 1900. Serial No. 39,272. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. HUCKLEBURY, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Adjustable Bed-Springs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which 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 the figures of reference marked thereon, which form part of this specification.

My invention has reference to an adjustable bed-spring, and has for its object to provide means for elevating the middle portion of the bed-spring above the marginal portion. The middle portion of an ordinary bed-spring when unsupported yields more freely under weight than the marginal portion; and it is the object of my invention to overcome this objection and to provide means for adjustably supporting the middle portion.

In carrying out my invention I employ the arrangement of parts hereinafter described, and illustrated in the accompanying drawings, made part hereof, in which—

Figure 1 shows a bottom plan view of a coiled-wire bed-spring embodying my invention. Fig. 2 is a cross-section taken on line *x x*, Fig. 1, the position of the coiled springs being shown in broken lines. Fig. 3 is an enlarged elevation of one of the brackets employed to support the spring proper within the angle-iron frame. Fig. 4 is a front elevation of the same. Fig. 5 is an enlarged bottom plan view showing the manner of attaching the brace-bars to the corners of the angle-iron frame.

Referring to the parts, 1 is an angle-iron frame, suitably formed as shown, the adjoining ends of which are preferably welded together to make the same continuous. The bed-spring proper comprises an upper and lower border-wire 2 and 3, respectively, to which are secured transverse and longitudinal stay-wires 4. The stay-wires form an open meshwork and support the spirally-coiled springs between them. Secured to the angle-iron frame at intervals are a plurality of

brackets 6, extending downwardly and adapted to be secured to the lower border-wire 3.

7 represents brace-bars bent angularly at 8, the ends of which are formed into hooks at 9, adapted to engage castings 10, secured to the rounded corners of the angle-iron frame. Extending in a transverse direction and connecting the brace-bars together are suitable adjusting devices in the form of turnbuckle-bolts 11.

The arrangement of the parts of my invention is shown in Figs. 1 and 2. The upper and lower surfaces of the spring proper, formed by the stay-wires attached to the upper and lower border-wires, are normally in parallel planes, and the angle-iron frame occupies a plane between the two. The hooked ends 9 of the brace-bars are attached to the castings 10 at the corners of the angle-iron frame, and the turnbuckle-bolts are arranged to connect the brace-bars and to press upwardly upon the lower mesh of the spring. It will be seen that the turnbuckle-bolts and the straight portions of the brace-bars which engage the lower face of the bed-spring are normally below the plane of the angle-iron frame and that as the turnbuckles are operated these parts will assume a position nearer the plane of the angle-iron frame. In this manner the middle portion of the bed-spring can be elevated at pleasure above the marginal portion, as shown in broken lines, Fig. 2.

It will be seen from the foregoing description that I provide a simple and practical means for elevating the middle portion of a coiled bed-spring above the marginal portion and that the same is adjustable at the pleasure of the user. My invention is not only valuable to the private user, but the same will be found especially valuable when applied to sanitarium and hospital beds.

Although my invention may be applied to woven-wire springs, I have not arranged the same with especial application to such springs.

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

In an adjustable bed-spring, the angle-iron frame, the spring-body composed of a plural-

ity of coiled-wire springs, upper and lower
border-wires for the spring-body, brackets at-
tached to the angle-iron frame and the lower
border-wire to support the spring-body, an-
5 gular brace-bars secured at the corners of the
angle-iron frame, and adjustable bolts con-
necting the brace-bars, substantially as de-
scribed.

In testimony that I claim the foregoing as
my own I affix my signature in presence of 10
two witnesses.

JOHN B. HUCKLEBURY.

Witnesses:

ARCHIBALD C. MCCOLL,
CARL H. KELLER.