No. 794,038. PATENTED JULY 4, 1905.

C. W. NEGLEY.

BED BRACE.

APPLICATION FILED DEC. 22, 1904.

Fig. 1.

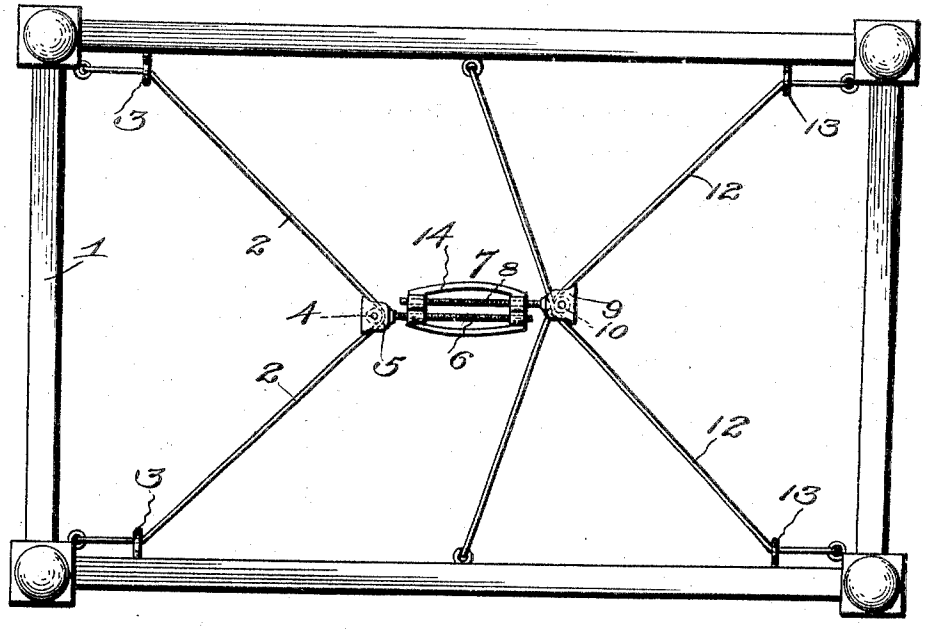


Fig. 2.

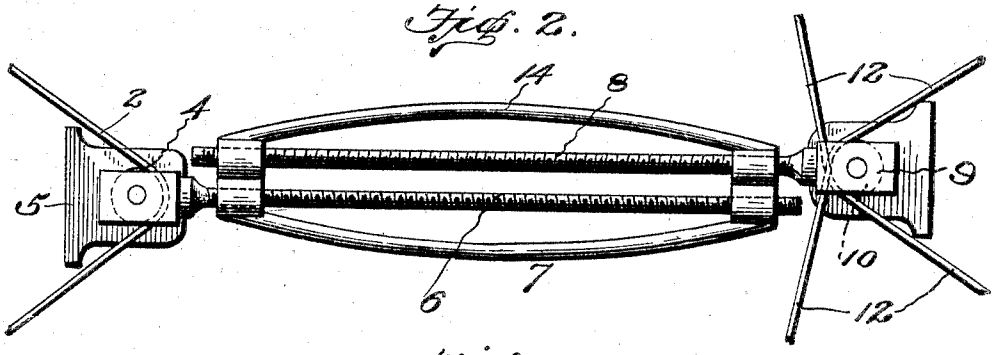
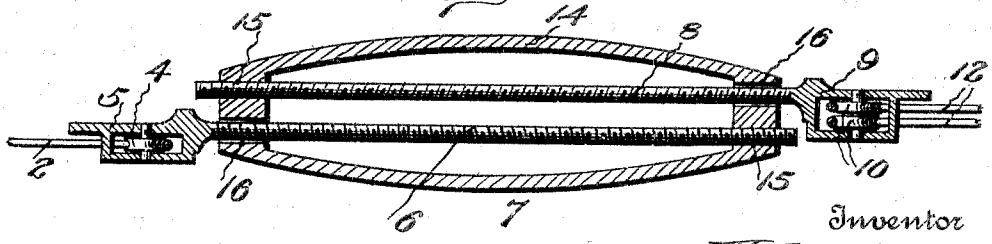


Fig. 3.



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No 794,038. Patented July 4, 1905.

UNITED STATES PATENT OFFICE.

CHARLES W. NEGLEY, OF FLORENCE, ALABAMA.

BED-BRACE.

SPECIFICATION forming part of Letters Patent No. 794,038, dated July 4, 1905.

Application filed December 22, 1904. Serial No. 237,952.

To all whom it may concern:

Be it known that I, CHARLES W. NEGLEY, a citizen of the United States, residing at Florence, in the county of Lauderdale and State of Alabama, have invented certain new and useful Improvements in Bed-Braces; and I do 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.

This invention relates to improvements in bed-braces.

The object of the invention is to provide a bed-brace which may be adjusted to brace all parts of the bed and tighten the same in all directions at the same time.

A further object is to provide an improved construction of turnbuckle to be used in connection with the brace whereby a greatly-increased adjustment is provided over the forms of adjusting devices now in use.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a plan view of a bed-frame, showing the application of the brace. Fig. 2 is an enlarged bottom plan view of the adjusting mechanism; and Fig. 3 is a horizontal sectional view of the same, showing the pulley-blocks turned at right angles to the position shown in Fig. 2.

Referring more particularly to the drawings, 1 denotes the bedstead or frame to which my improved brace is attached. To the corner-posts at one end of said bedstead is secured the ends of a wire or other flexible connection 2, which passes through eyes 3, secured to the side rails of the bed-frame adjacent to said corner-posts. The wire when thus connected forms a loop which is slidably engaged with a pulley 4, journaled in a pulley-block 5, which is arranged on the end of one of the threaded adjusting bolts or rods 6 of a turnbuckle 7, which is arranged in the center of the bed-frame. On the opposite end of the turnbuckle is arranged a threaded bolt or rod 8, to the outer end of which is secured a pulley-block 9, on which is journaled a pulley 10. To the corner-posts, at the opposite ends of the bed-frame, are secured wires or other flexible connections 12, which pass through eyes 13 and from thence extend in opposite directions around the pulley 10, the opposite ends of the wires being secured to the side rails of the frame at a point approximately midway between the ends of the same. The turnbuckle 7 consists of a yoke or frame 14, in the opposite ends of which are formed pairs of longitudinally-disposed alined apertures 15 and 16. One of the apertures 15 in each end of said yoke or frame is provided with screw-threads, said threaded apertures 15 in each end of the frame being opposite or in alinement with the smooth-bored aperture 16 in the opposite end of the frame. With said threaded apertures are adapted to be engaged the threaded bolts or rods 6 and 8 of the turnbuckle, the ends of said threaded rods passing through the smooth-bored apertures in the opposite end of the frame and having a loose engagement with said apertures.

By constructing the turnbuckle as herein shown and described the adjusting rods or bolts of the same are out of alinement with each other, and thus may be formed of considerably greater length, thereby providing a greatly-increased adjustment for said turnbuckle, which will enable the parts to which the same is attached to be taken up or let out to a much greater extent than similar devices now in use.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

A turnbuckle comprising a frame or yoke having formed in its opposite ends pairs of apertures, one of said apertures in each pair being threaded and the other smooth-bored, said threaded apertures being unalined or arranged on opposite sides of the center of said yoke, and threaded adjusting-bolts adapted to be screwed in and out of said threaded apertures, the inner ends of said bolts being adapted to loosely engage the opposite smooth-bored aperture of the yoke or frame, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES W. NEGLEY.

Witnesses:
JAMES B. POWELL,
C. A. WARE.