

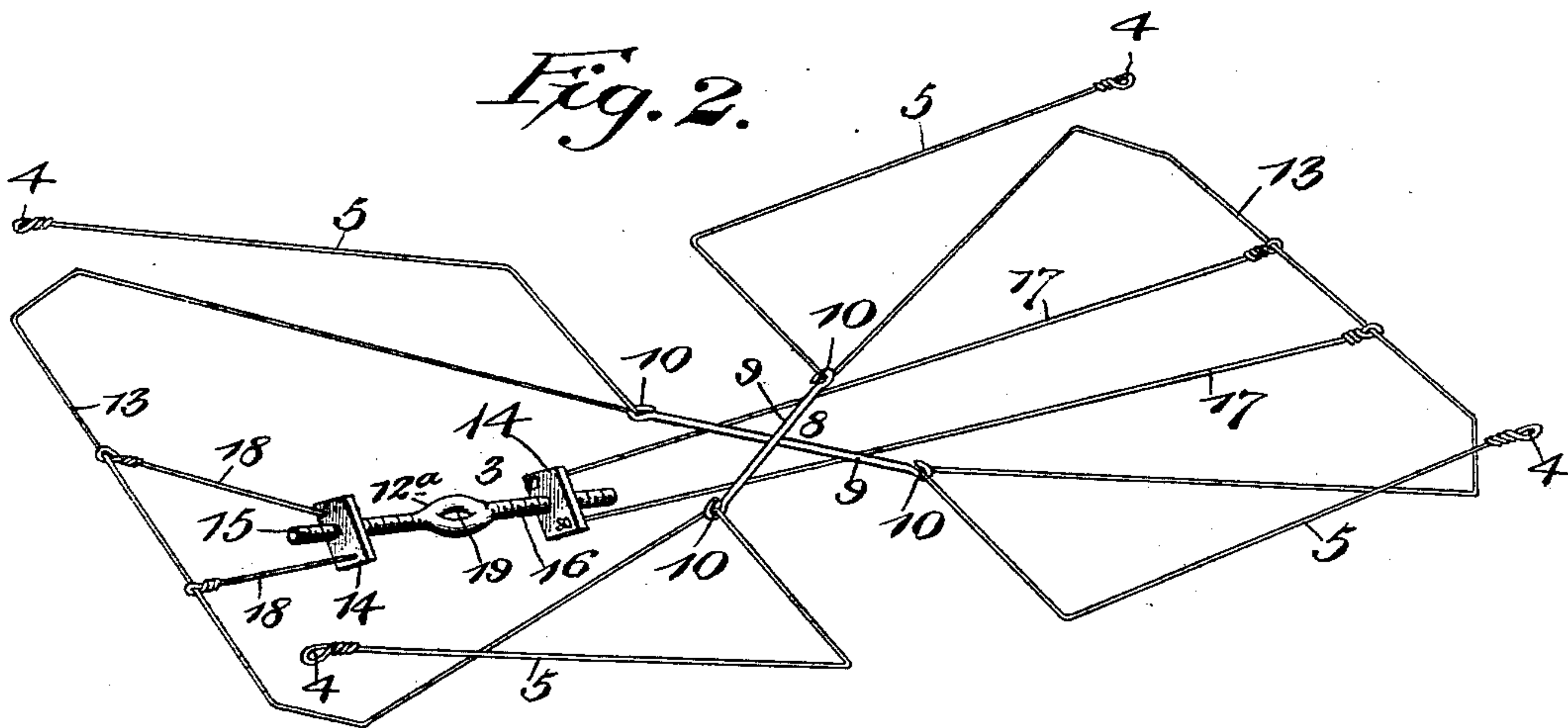
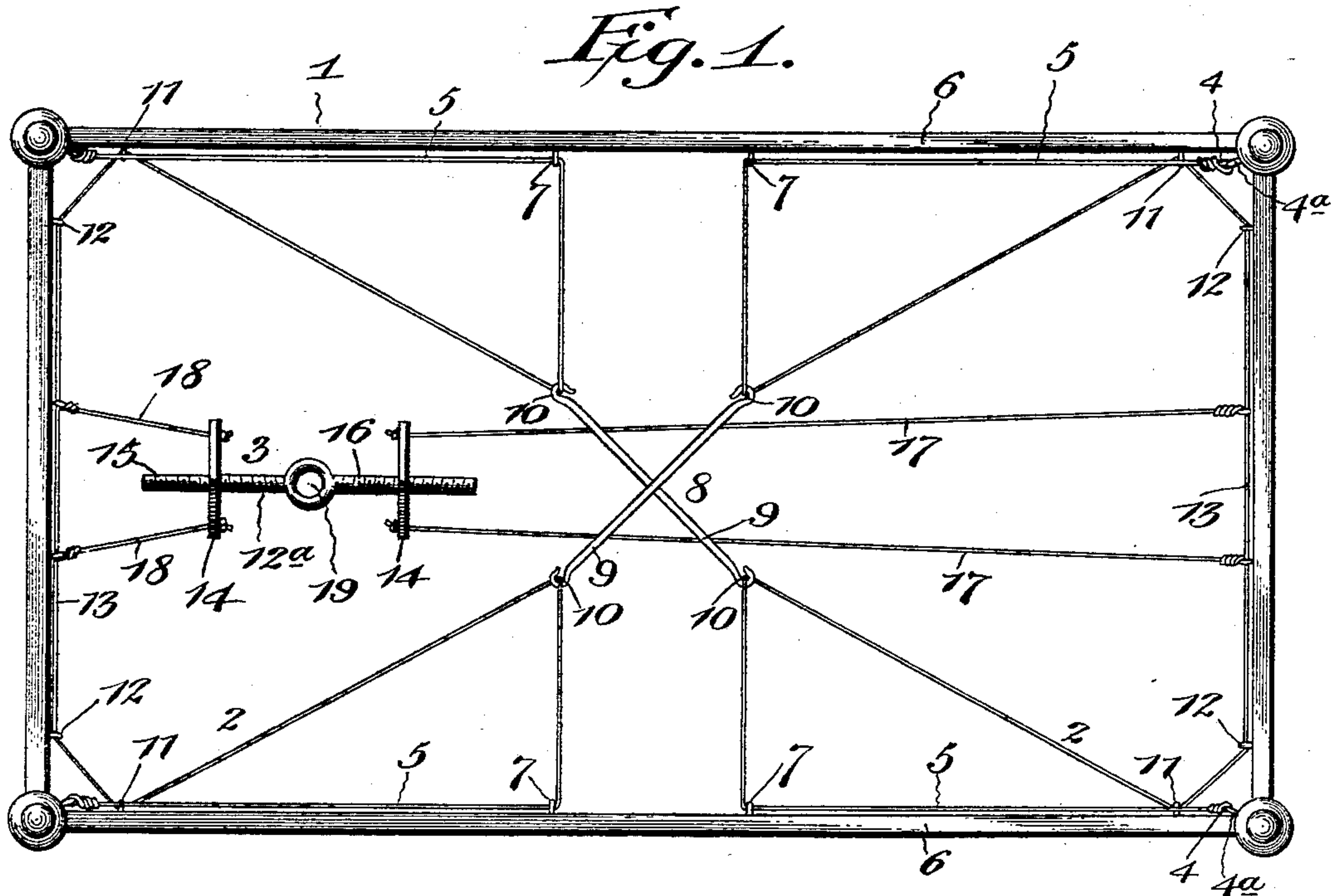
No. 620,521.

Patented Feb. 28, 1899.

J. A. & F. M. WILKS.
BED BRACE.

(Application filed Oct. 3, 1898.)

(No Model.)



Witnesses
Wm Appleman
J. J. Riley

John A. Wilks and
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By *Their* Attorneys,
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UNITED STATES PATENT OFFICE.

JOHN A. WILKS AND FRANCIS M. WILKS, OF SILOAM SPRINGS, ARKANSAS.

BED-BRACE.

SPECIFICATION forming part of Letters Patent No. 620,521, dated February 28, 1899.

Application filed October 3, 1898. Serial No. 692,543. (No model.)

To all whom it may concern:

Be it known that we, JOHN A. WILKS and FRANCIS M. WILKS, citizens of the United States, residing at Siloam Springs, in the county of Benton and State of Arkansas, have invented a new and useful Bed-Brace, of which the following is a specification.

The invention relates to improvements in bed-braces.

The object of the present invention is to improve the construction of bed-braces and to provide a simple, inexpensive, and efficient one adapted to be readily applied to a bedstead and capable of holding the head and foot boards and the side rails tightly together and of preventing the same from creaking.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a plan view of a bed-brace constructed in accordance with this invention and shown applied to a bed. Fig. 2 is a perspective view of a portion of the bed-brace, illustrating the construction of the adjusting device, and the centrally-arranged connecting device for looping the wires.

Like numerals of reference designate corresponding parts in both figures of the drawings.

1 designates a bedstead provided at each end with a bracing-wire 2, connected with the side rails and the contiguous head or foot board and adapted to be drawn to the desired tension by an adjusting device 3, whereby the rails and the head and foot boards are drawn inward and held firmly together. Each bracing-wire 2 is arranged in substantially the same manner, and that at the head of the bed has its ends provided with eyes 4 and attached to eyes or hooks 4^a of the headboard and those ends at the foot of the bed are similarly attached to the footboard.

The end portions 5 of the bracing-wires extend along the inner faces of the side rails 6 to guides 7, located approximately opposite the center of the bed, and from the said guides 7 the wire extends to a centrally-arranged connecting device 8, consisting of a pair of crossed rods 9, provided at their terminals with hooks

10. From the connecting device the wire extends to the corners of the bed and passes through guides 11 and 12, secured, respectively, to the side rails and to the adjacent end of the bed. By this arrangement the bracing-wire is bent to form a pair of longitudinal loops the inner sides of which are connected by a transverse portion 13, which extends along the inner face of the end of the bed. The crossed rods engage the adjacent angles or corners of the longitudinal loops and form a central bearing, which permits the wires to draw the side rails and the head and foot boards inward to the desired extent.

The adjusting device, which is preferably located in the space between the connecting device and footboard, comprises an adjusting-screw 12^a and substantially diamond-shaped plates 14, the adjusting-screw being provided with right and left hand threaded portions 15 and 16 and the plates being provided with correspondingly-threaded openings. The plates 14, which are provided at their ends with perforations, are secured to the inner ends of longitudinal connecting-wires 17 and 18, extending from the adjusting device to the transverse end portions of the bracing-wires and arranged in pairs, as shown. The rod or screw is provided with a central eye or opening 19, adapted to receive a suitable tool or device for rotating it, whereby the transverse portions of the bracing-wires may be drawn inward to tighten the bed-brace to the desired tension.

The invention has the following advantages: The bed-brace, which is simple, inexpensive, strong, and durable, is positive and reliable in operation and is adapted to be quickly adjusted and will effectually prevent a bed from creaking. It is capable of being applied to either new or old furniture, and when applied to an old and rickety bed it will render the same strong and solid.

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

What is claimed is—

1. A bed-brace comprising bracing-wires provided with longitudinal loops arranged at the corners of a bed and connected at their

outer sides and ends with the bed, a centrally-arranged device connecting the inner ends of the loops, and an independent adjusting device located between the connecting device and one end of the bed and connected with the bracing-wires for regulating the tension thereof, substantially as described.

2. A bed-brace comprising bracing-wires provided with loops connected with the side rails and the ends of a bedstead, the crossed rods provided at their ends with devices for engaging the loops, and an adjusting device connected with the bracing-wires, substantially as described.

3. In a bed-brace, the combination with a bedstead, of the bracing-wires extending across the ends of the bedstead and having their ends formed into loops and connected at their outer sides with the side rails, a central connecting device engaging the inner corners of the inner ends of the loops, an independent adjusting device, and longitudinal connecting-wires arranged in pairs and extending from the transverse portions of the bracing-wires at the ends of the bed to the adjusting device and being independent of the

said connecting device, substantially as described.

4. In a bed-brace, the combination with a bedstead, provided with guides 7, 11 and 12, the guides 12 being arranged at the ends of the bedstead, and the guides 7 and 11 being located on the side rails, of the bracing-wires having their ends secured to the ends of the bedstead and extending along the side rails to the guides 7, said bracing-wires being formed into loops and extending through the guides 11 and 12 and across the ends of the bedstead, the crossed rods engaging the inner ends of the loops, and an adjusting device connected with the bracing-wires at points between the guides 12, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

JOHN A. WILKS.
FRANCIS M. WILKS.

Witnesses:

LEWIS PUCKETT,
ELIHU R. PUCKETT.