

(No Model.)

J. A. FRETWELL.
BED BRACE.

No. 504,210.

Patented Aug. 29, 1893.

FIG. 1.

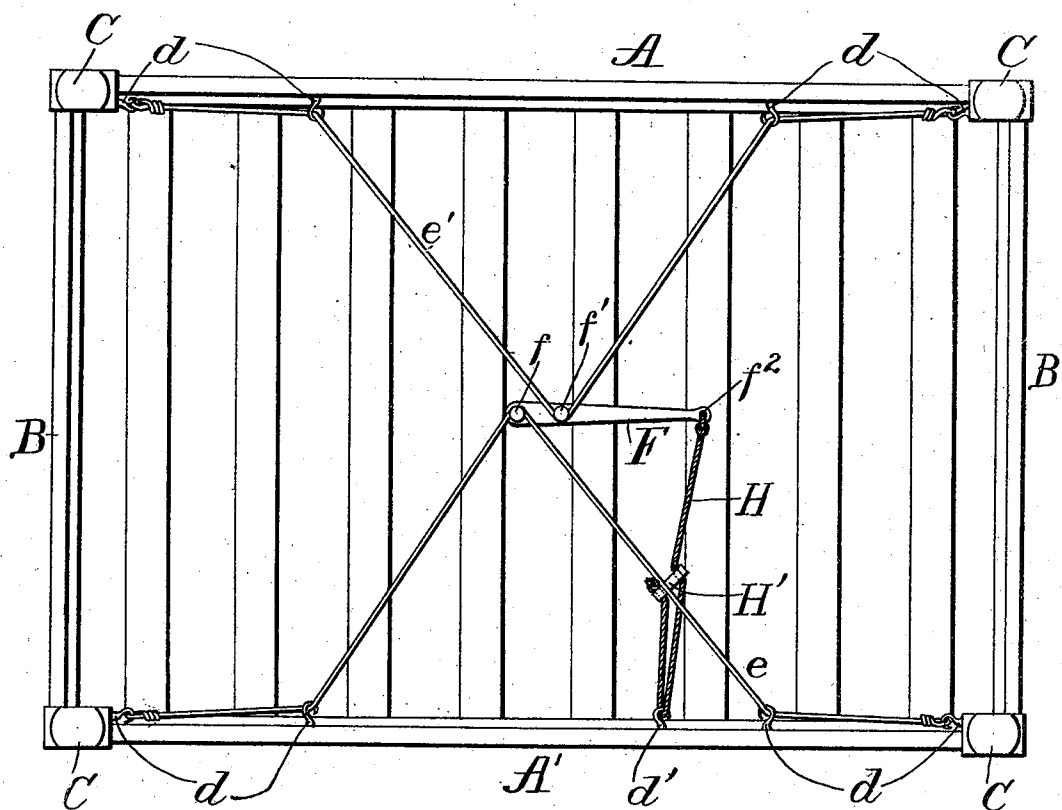


FIG. 2.

Witnesses

Ben C. Bowen
John C. Wilson

Inventor

J. A. Fretwell

By *Whitman & Wilkinson*,
Attorneys.

UNITED STATES PATENT OFFICE.

JOHN A. FRETWELL, OF GAINESVILLE, GEORGIA.

BED-BRACE.

SPECIFICATION forming part of Letters Patent No. 504,210, dated August 29, 1893.

Application filed May 9, 1893. Serial No. 473,569. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. FRETWELL, a citizen of the United States, residing at Gainesville, in the county of Hall and State of Georgia, have invented certain new and useful Improvements in Bed Braces; 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 improvements in braces for beds, and it consists of certain novel features hereinafter described and claimed.

Reference is had to the accompanying drawings, in which the same parts are indicated by the same letters throughout both views.

Figure 1 represents an inverted plan view of a bedstead fitted with my device. Fig. 2 represents a side elevation of the lever used in the same.

A and A' represent the two side pieces, and B and B' represent the head and foot boards of the bed, respectively.

C, C, represent the bed posts to which the part A, B, A' and B' are attached in the usual way. Eye-bolts or hooks *d* are attached to the bed-posts, and to the side pieces as shown in Fig. 1, and the wires E and E' are set up at the bed posts, and reeve through the other hooks or eye-bolts as shown in Fig. 1, forming two loops.

F represents a lever provided with two flanged studs *f* and *f'*, and an eye *f*² at the end thereof.

H represents a cord passing through the adjustable stop H', and over the hook *d'*. If the flanged stud *f* be made to engage in the loop of the wire *e*, and the flanged stud *f'* be made to engage in the loop of the wire *e'*, and the cord H be drawn tight as shown, then the bed may be braced securely against any racking strains, and so held firmly and prevented from creaking. It will be readily seen that upon lifting the mattress, and by reaching

down between the slats, the cord H may be set up at any time to any required tension. Moreover, if the wires should become slack from any cause, one or more twists may be taken in them, thereby affording a ready adjustment of the said wires so that the studs *f* and *f'* may at all times be in approximately a line at right angles to the cord H, in which position the maximum bracing effect is obtained. By leading the wires almost straight from the bedpost for a short distance, and then bringing the loops in toward the center of the bed, the two ends of the bed are held firmly together, while at the same time, the more yielding sides A and A', on which the downward sag of the slats causes a tendency to bulge outward, are suitably braced.

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

A bed brace comprising the two wires *e* and *e'* connected at each end to one of the posts of the bedstead, extending along the sides of the bed for a short distance, reeving through two eyes set on each of the side pieces of the bedstead, and each wire forming a loop between said eyes, the loops being adjacent and the one loop being nearer the head of the bed than the other; the lever F extending substantially lengthwise of the bed and provided near one end with studs, adapted to engage in said loops; and a cord H, secured to the opposite end of the said lever; adjusting block H'; and a hook *d'* secured to one of the side pieces of the bed for holding the said lever at any desired position, substantially as and for the purposes described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. FRETWELL.

Witnesses:

B. H. WHELCHER,
A. R. SMITH.