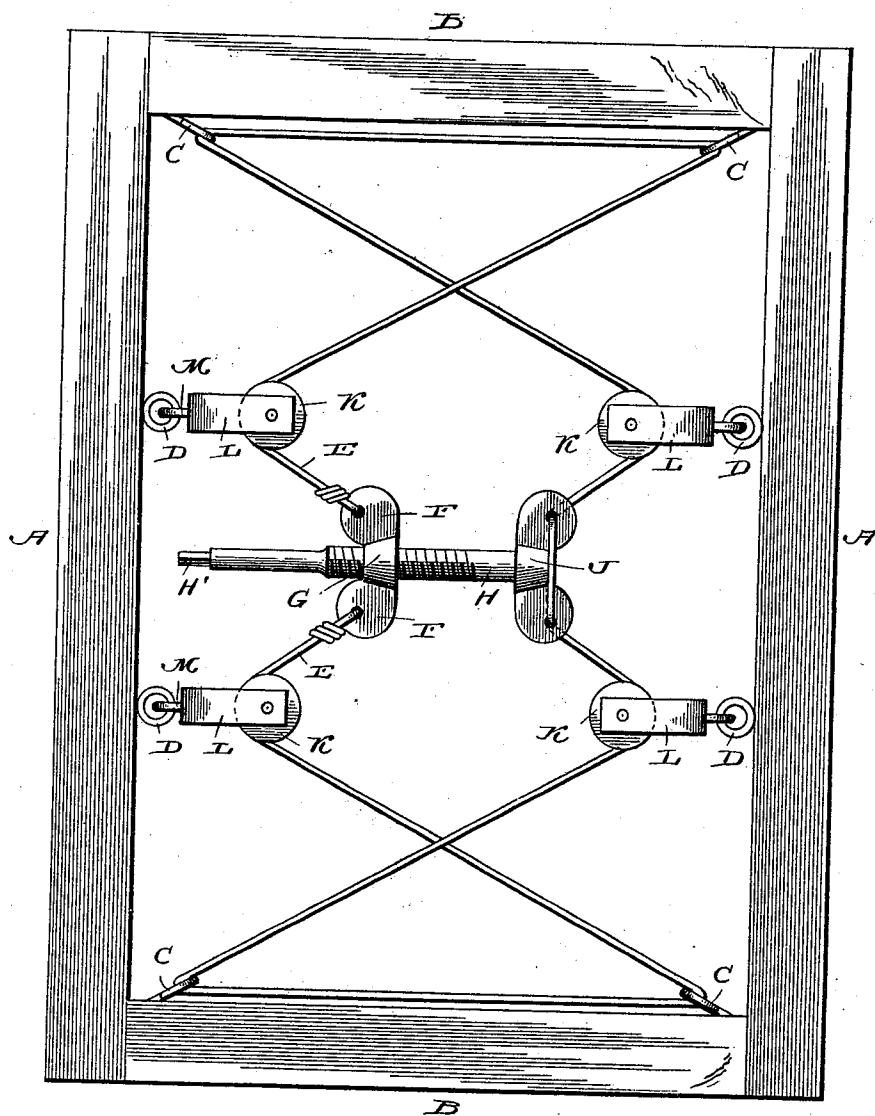


(No Model.)

W. A. WATSON, Jr.
BED BRACE.

No. 516,955.

Patented Mar. 20, 1894.



Witnesses:

Wm. C. Ashiell
May E. Moore.

William A. Watson Jr.
Inventor

By *J. M. Moore*
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM A. WATSON, JR., OF LEXINGTON, NORTH CAROLINA.

BED-BRACE.

SPECIFICATION forming part of Letters Patent No. 516,955, dated March 20, 1894.

Application filed August 23, 1893. Serial No. 483,830. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. WATSON, Jr., a citizen of the United States, residing at Lexington, in the county of Davidson and State of North Carolina, 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in bed braces, and the object of my invention is the provision of a device of this character which will be of simple, durable and inexpensive construction, easy of application and thoroughly efficient in operation.

To attain the desired objects the invention consists of a bed brace or fastener embodying novel details of construction, combination and arrangement of parts substantially as disclosed herein.

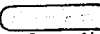
In order that the operation of my device will be readily understood and its advantages appreciated I have illustrated in the accompanying drawings a plan view of my improved bed brace.

In said drawings the letter A indicates the side rails and B the end rails of a bed which are fastened together and to which my improvement is applied. To the end rails I secure the two eyes or staples C and to the side rails the two eyes or staples D, and the ends of the brace or tightening wire E are first connected to the wings F of the adjusting nut G, which moves on the threaded bolt H, which is swiveled in the winged nut J, and from the wings F, the wires pass over the grooved guide pulleys K, mounted in the brackets or bearings L, which are secured by hooks M to the

eyes D, and from the grooved pulleys the wire passes through the eyes C, then through or over the other set of grooved guide pulleys K, then through openings in the winged nut J and then over or through the eyes or staples C, the ends of the wire being fastened to the wings of the nut G. The adjusting bolt H is provided with a squared head H' adapted to receive a key or wrench for turning the bolt which action as is evident draws the wires tight or loosens them as found desirable.

It will be seen that I provide a device which can be easily and quickly applied to any bed at a small price and that the peculiar arrangement of the adjusting devices and the guide pulleys and the eyes enable the wire to brace or fasten the parts of the bed securely and enable the bed to withstand all strain.

I claim—

The combination of the bed frame, the two eyes secured to the end rails one at each corner thereof, the eyes secured to the side rails near the center thereof, the -shaped brackets having hooks at their closed ends engaging the eyes of the side rails, the grooved guide pulleys mounted in the brackets, the stationary winged nut, the adjusting bolt having the extended portion provided with a squared end and swiveled in said nut, the adjustable winged nut on the bolt, said nuts having openings in the wings thereof to receive the wires and the brace wire having its ends connected to the wings of the adjustable nut, and passing over the pulleys and through the eyes and connected to the stationary winged nut, all as shown and described.

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

WILLIAM A. WATSON, JR.

Witnesses:

CHARLES M. GRIFFITH,
WADE H. PHILLIPS.