

(No Model.)

A. S. BAINS.  
BRACE FOR BEDSTEADS.

No. 539,333.

Patented May 14, 1895.

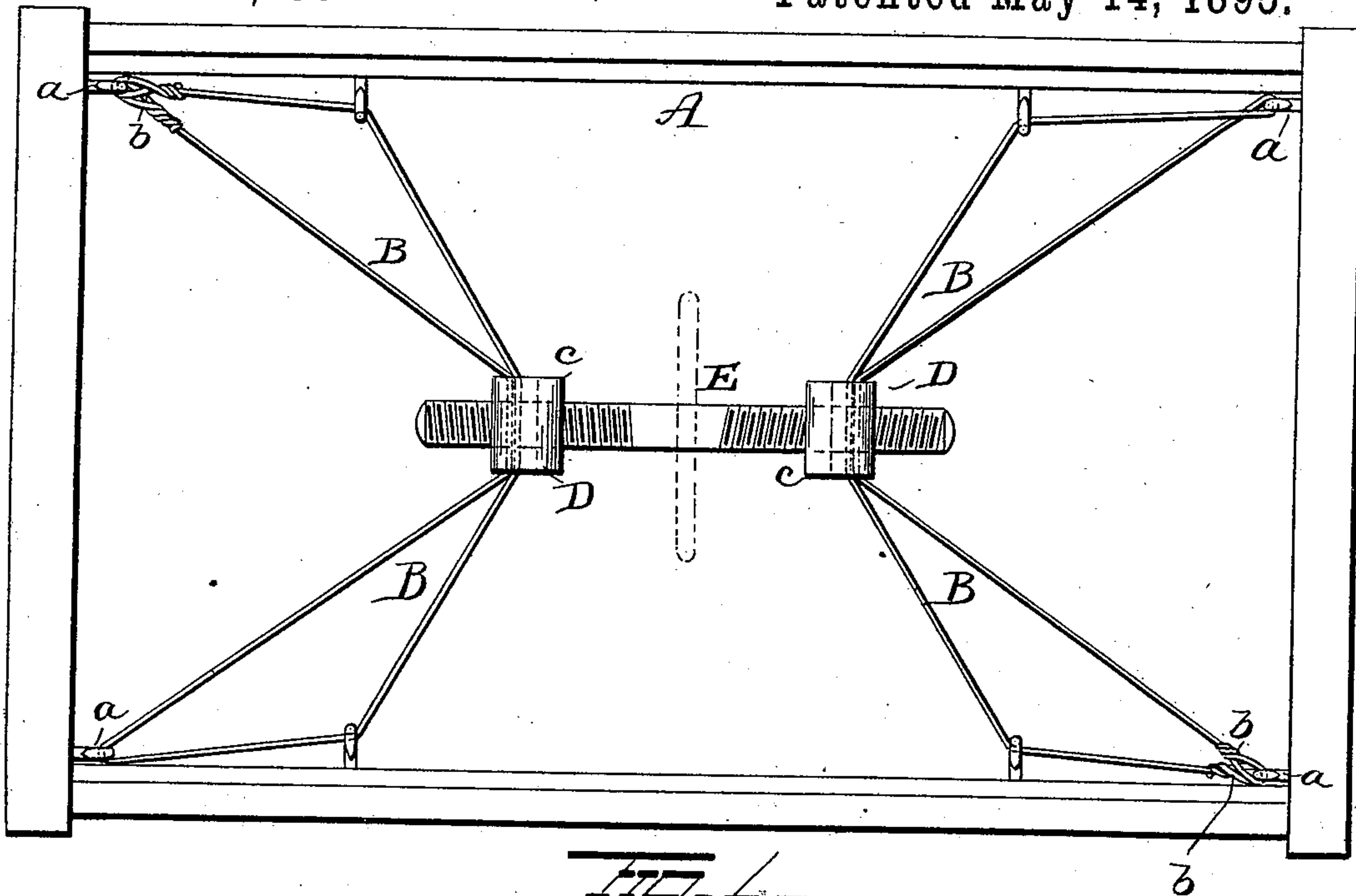


FIG. 1.

FIG. 3.

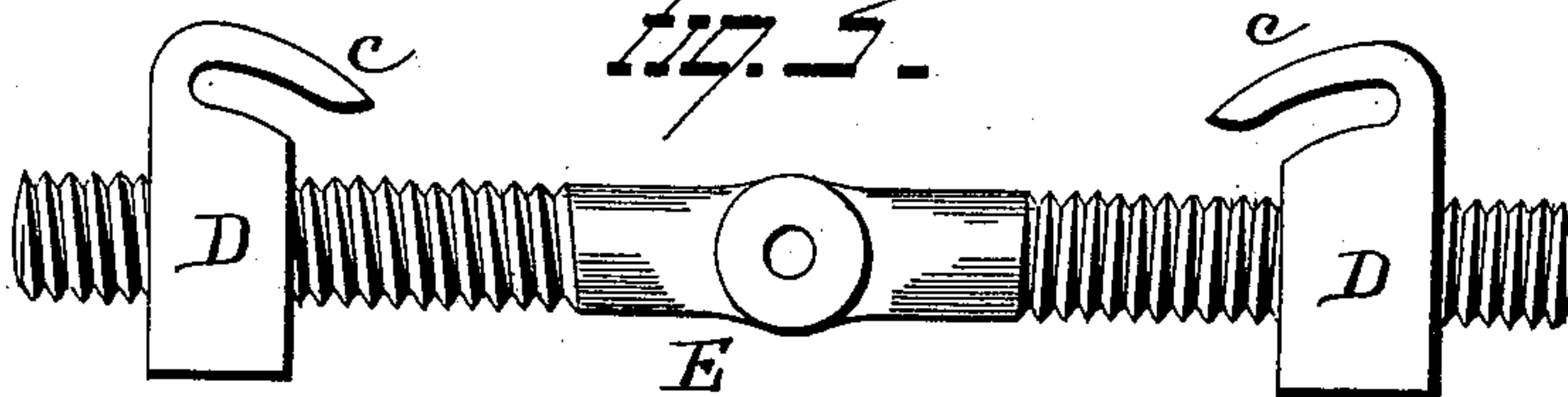
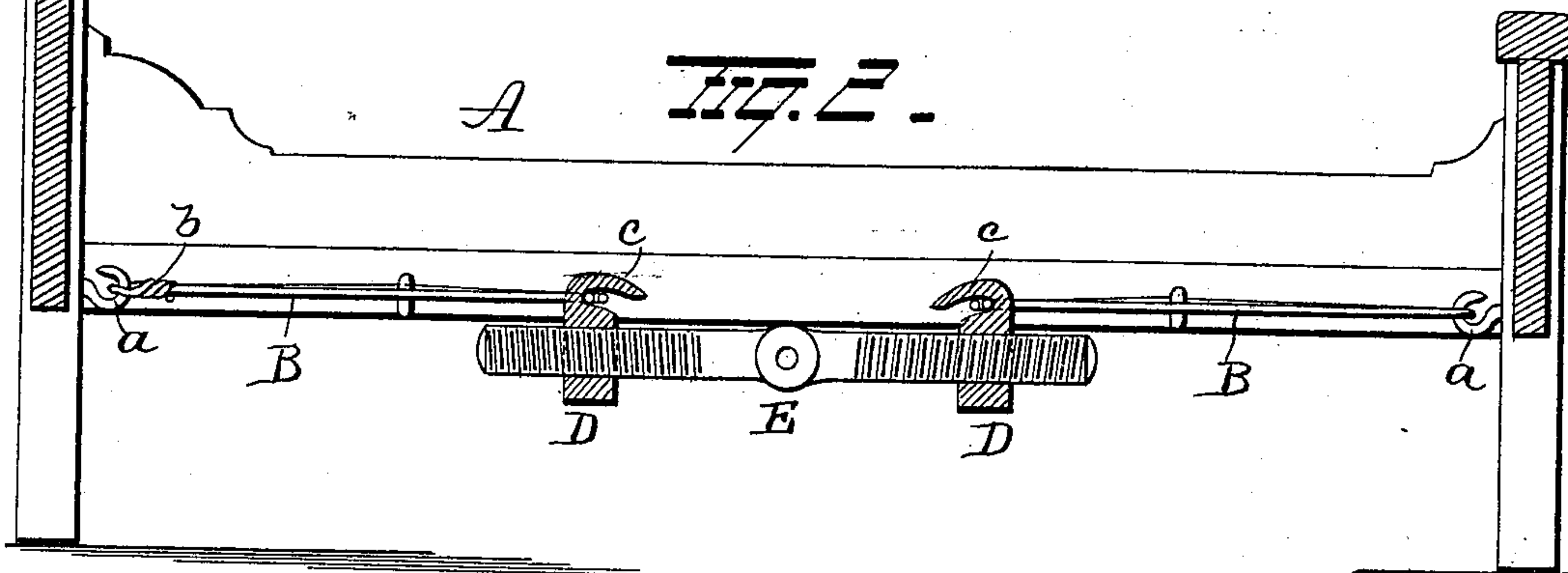


FIG. 2.



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# UNITED STATES PATENT OFFICE.

ALBERT S. BAINS, OF ROME, TENNESSEE.

## BRACE FOR BEDSTEADS.

SPECIFICATION forming part of Letters Patent No. 539,333, dated May 14, 1895.

Application filed August 24, 1894. Serial No. 521,214. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT S. BAINS, of Rome, in the county of Smith and State of Tennessee, have invented certain new and  
5 useful Improvements in Braces for Bedsteads; 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  
10 same.

My invention relates to an improvement in braces for bedsteads, the object being to provide an improved brace secured to the end and side sections of the bed and to each other  
15 whereby the braces can be easily and quickly removed without the employment of tools or skilled labor.

My invention consists of two wires removably connected to the head and foot boards  
20 respectively and to the side frames, the two wires being removably connected to a tightening device.

My invention further consists in certain novel features of construction and combinations of parts, as will be hereinafter more fully  
25 described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view in plan of a bed having my invention applied thereto. Fig. 2 is a view in vertical  
30 longitudinal section through the bedstead and braces, and Fig. 3 is a view of the tightening device detached.

A represents the bedstead composed of head and foot sections and side rails, the latter connecting the head and foot sections and  
35 secured thereto in any approved manner.

Secured to the head and foot sections near the side edges of the latter so as to occupy positions well up to the inner faces of the side  
40 rails, are the hooks *a*, while each side rail of the bed is also provided with two hooks, one for each brace, the hooks on the side rails being located a short distance away from the ends of the rails.

B are the braces, each of which consists of a single wire, cable, rope or equivalent device preferably provided at ends with loops *b*. As the two braces are alike and are attached to the several parts in identically the same manner, a description of one will suffice for both.  
50

One of the loops on the brace is first connected with a hook on one of the end sections

of the bed and is passed from thence through the hook or loop at the opposite end of the same section. It is then passed through the  
55 adjacent hook in the side rail and from thence through the hook in the opposite side rail, the loop at the free end of the brace being secured to the hook to which the other loop is secured. The braces when threaded through or secured  
60 in the hooks in this manner, are sufficiently loose so as to permit the section thereof between the hooks on the end section of the bed to be drawn inward to the section of the braces between the hooks on the side rails,  
65 and when in such position the two sections of the brace are passed under the tongue *c* of a nut *D*. Each brace is thus engaged by a nut, and the two nuts are connected by the bolt *E* having right and left hand threads thereon.  
70 By turning the bolt in one direction the nuts are drawn toward each other thus tightening the braces and most effectually binding the head and foot sections and side rails together and preventing the possibility of accidental  
75 displacement of any of the parts and prevents the parts from working loose. By turning the bolt in the opposite direction the nuts are moved away from each other thus loosening the braces and permitting them to be readily  
80 and quickly removed from the hooks. While I have described the head and foot, or end sections, and side rails as being provided with hooks it is evident that rings or screw eyes would answer all purposes though I prefer to  
85 employ a hook for the ready and convenient attachment of the loops. The braces thus constructed are placed so as not to interfere with the slats or springs, and are accessible by simply removing the bed bottom.  
90

It is evident that changes in the construction and relative arrangement of the several parts might be made without avoiding my invention and hence I would have it understood that I do not restrict myself to the particular  
95 construction and arrangement of parts shown and described, but,

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

The combination with the head, foot and sides of a bedstead, and hooks or equivalent devices on each of these parts, the devices on the sides being in a plane inside of the plane.

in which the devices on the ends are located,  
of a bolt having oppositely turned threads at  
its opposite ends, nuts on the ends of the bolt  
having hooks thereon, said nuts adapted to  
5 move simultaneously in opposite directions  
as the bolt is turned, and wires formed into  
double strands, both of which extend from  
the head and foot to the hooks in the nuts,  
one strand of each wire extending directly  
10 from the head or foot to the nut and the other  
strand of each wire extending from the head

and foot through the devices on the sides and  
thence to the hooks on the nuts, substantially  
as set forth.

In testimony whereof I have signed this 15  
specification in the presence of two subscrib-  
ing witnesses.

ALBERT S. BAINS.

Witnesses:

J. B. HALLUM,  
D. V. WILSON.