No. 638,028. Patented Nov. 28, 1899.

J. L. PEACOCK.

BED BRACE.

(Application filed Sept. 6, 1899.)

(No Model.)

Fig. 1.

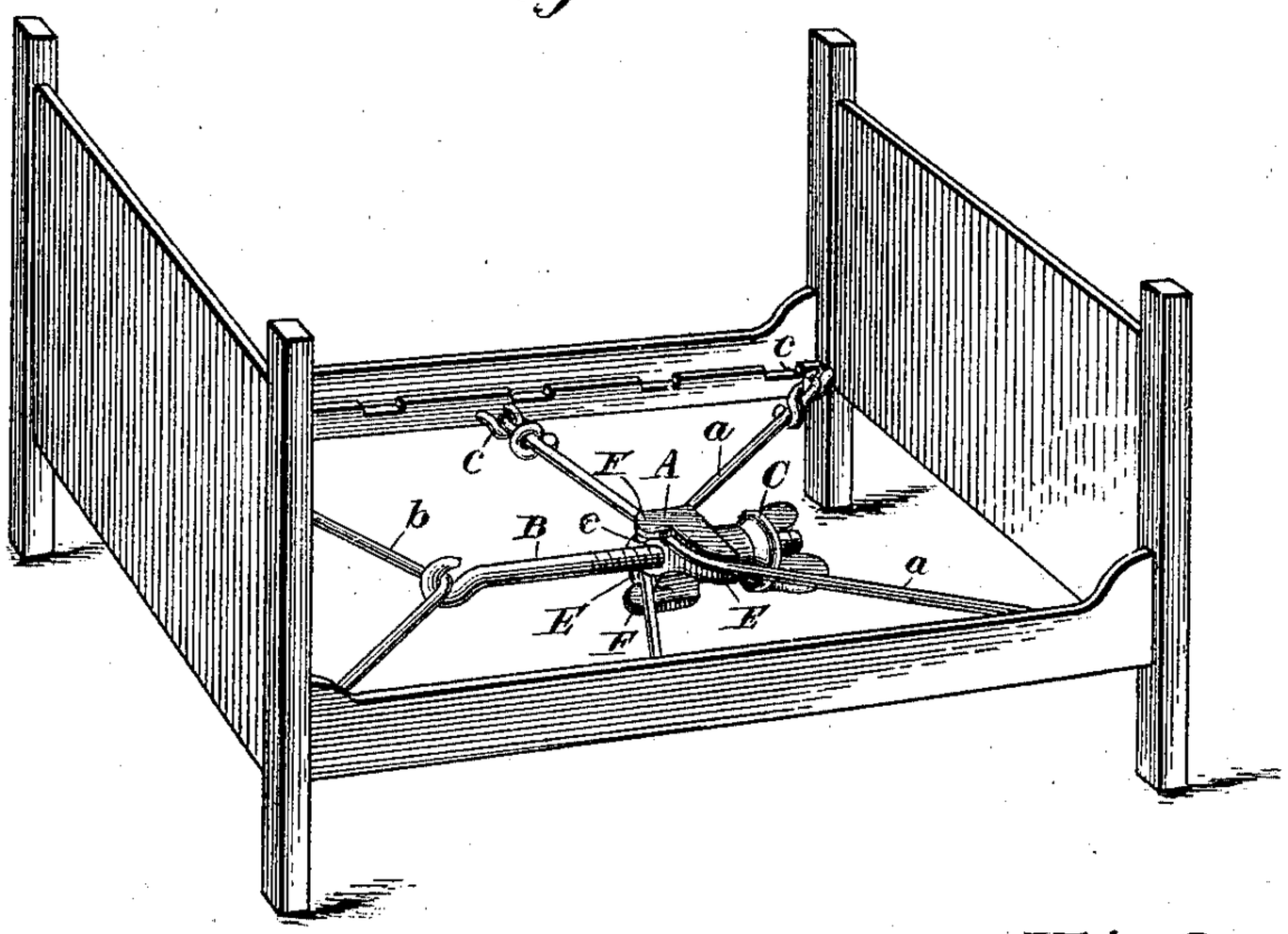


Fig. 2.

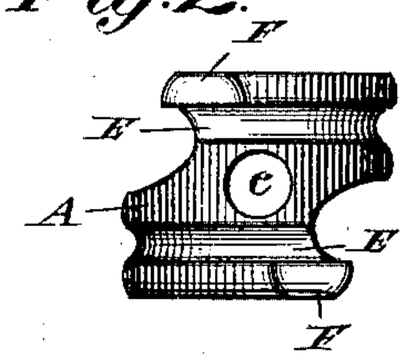
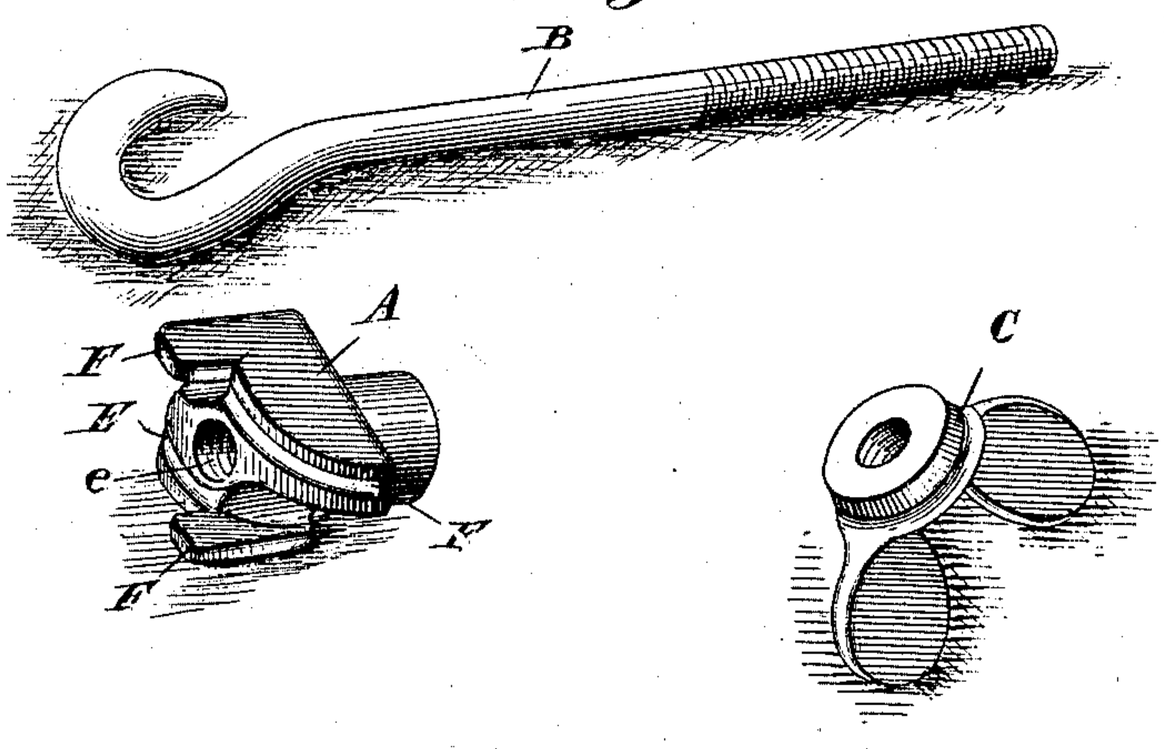


Fig. 3.



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UNITED STATES PATENT OFFICE.

JULIAN L. PEACOCK, OF LEXINGTON, NORTH CAROLINA.

BED-BRACE.

SPECIFICATION forming part of Letters Patent No. 638,028, dated November 28, 1899.

Application filed September 6, 1899. Serial No. 729,649. (No model.)

To all whom it may concern:

Be it known that I, JULIAN L. PEACOCK, 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 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 bed-braces, and more particularly to that class of bed-braces which can be set up and adjusted or disconnected by hand and without the aid of any tool, wrench, or similar instrument.

It is my object to provide an efficient bed-brace and at the same time so simple that it can be manipulated by housekeepers, who as a rule do not always have a kit of tools at hand.

A further object of my invention is to provide an efficient bed-brace which will embody cheapness, strength, and, above all, durability.

With these objects in view I have constructed a bed-brace which is preferably made and cast of malleable iron and have scrupulously refrained from using springs or anything that will wear or lose its tension, and consequently have to be replaced.

Referring to the drawings, Figure 1 is a perspective view of my bed-brace in an operative position. Fig. 2 is a side elevation of the cast malleable-iron cam-yoke. Fig. 3 is a perspective view of the tightening-hook and also shows the cam-yoke and thumb-screw in perspective.

Like letters of reference indicate corresponding parts in the several figures.

Referring to the drawings by letters, A represents the cast malleable-iron cam-yoke.

b is the brace-wire, which is securely attached to the two lower corners of the head-posts by means of screw-hooks like those shown at *c*. These are made hook-shaped, so that the brace-wires may be slipped off should it become necessary to take the bed down.

B represents the tightening-hook, which passes through the opening *e* in the cam-yoke in order to receive the thumb-screw C. This hook catches the brace-wire *b* and draws it rigidly toward the center of the bed.

a a represent the brace-wires, which are securely attached to the sides and foot-posts of the bed by means of the screw-hooks *c*. These brace-wires are made to pass into the grooves E E in the cam-yoke and are drawn toward the center of the bed by means of the thumb-screw C. One end of each brace-wire is attached to the side of the bed, and the other end is attached to the lower corner of the foot-posts on the opposite side of the bed. Thus the brace-wires cross each other while in independent grooves in the cam-yoke, as shown in Fig. 1.

F F represent nibs on the cam-yoke, which prevent the brace-wires from sliding off and at the same time prevent the cam-yoke from turning with the thumb-screw C.

The brace-wire *b* is caught over the tightening-hook B, and the end of said hook is passed through the opening *e* in the cam-yoke A. The brace-wires *a a* are passed over the top of the nibs F F and down into the grooves E E in the cam-yoke A. The thumb-screw C is passed onto the threaded end of the tightening-hook B and screwed up. This draws the tightening-hook B and the brace-wires *b* toward the center of the bed and at the same time draws the cam-yoke A and the brace-wires *a a* in an opposite direction, thus drawing the several parts of the bed centrally together and forming a most efficient and effectual brace.

The grooves E E in the cam-yoke are regularly curved, so that the brace-wires will easily slip through them and have a uniform tension at both ends, thus obviating any gripping or biting which would be occasioned by a sharp turn. These grooves are placed on opposite sides of the bore *e* in the cam-yoke, so as to make the strain uniform along the tightening-hook B.

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

1. In a bed-brace, the combination of the independent cross brace-wires *a*, *a* and the wire *b*, the tightening-hook B, the cam-yoke A, provided with curved grooves E, E, located on each side of the tightening-hook and nibs F, F, and the thumb-screw C, said wires *a*, *a* being located in said grooves, substantially as described.

2. A bed having the series of screw-hooks *c*, secured to the sides and posts thereof, the

independent cross brace-wires *a*, *a* and the wire *b*, the threaded tightening-hook B, substantially as described, in combination with the cam-yoke A, provided with grooves E, E, said grooves being on each side of the tightening-hook and nibs F, F, and thumb-screw C, the wires *a*, *a*, being located in said grooves, substantially as described.

3. A bed-brace for preventing the spreading of the bed, consisting of the brace-wire *b*, the curved wires *a*, *a*, the cam-yoke A having regularly-curved grooves E, E, and nibs F, F, the central tightening-hook B and the thumb-screw C, the said wires *a*, *a* being secured to the sides and posts of the bed, and located in said grooves, and the cam and screw-hook being arranged to draw the wires centrally and horizontally to the center of the bed, imparting equal tension, substantially as described.

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

JULIAN L. PEACOCK.

Witnesses:

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