(No Model.)

E. M. BROWN.

BEDSTEAD.

No. 249,454. Patented Nov. 15, 1881.

Fig. 1

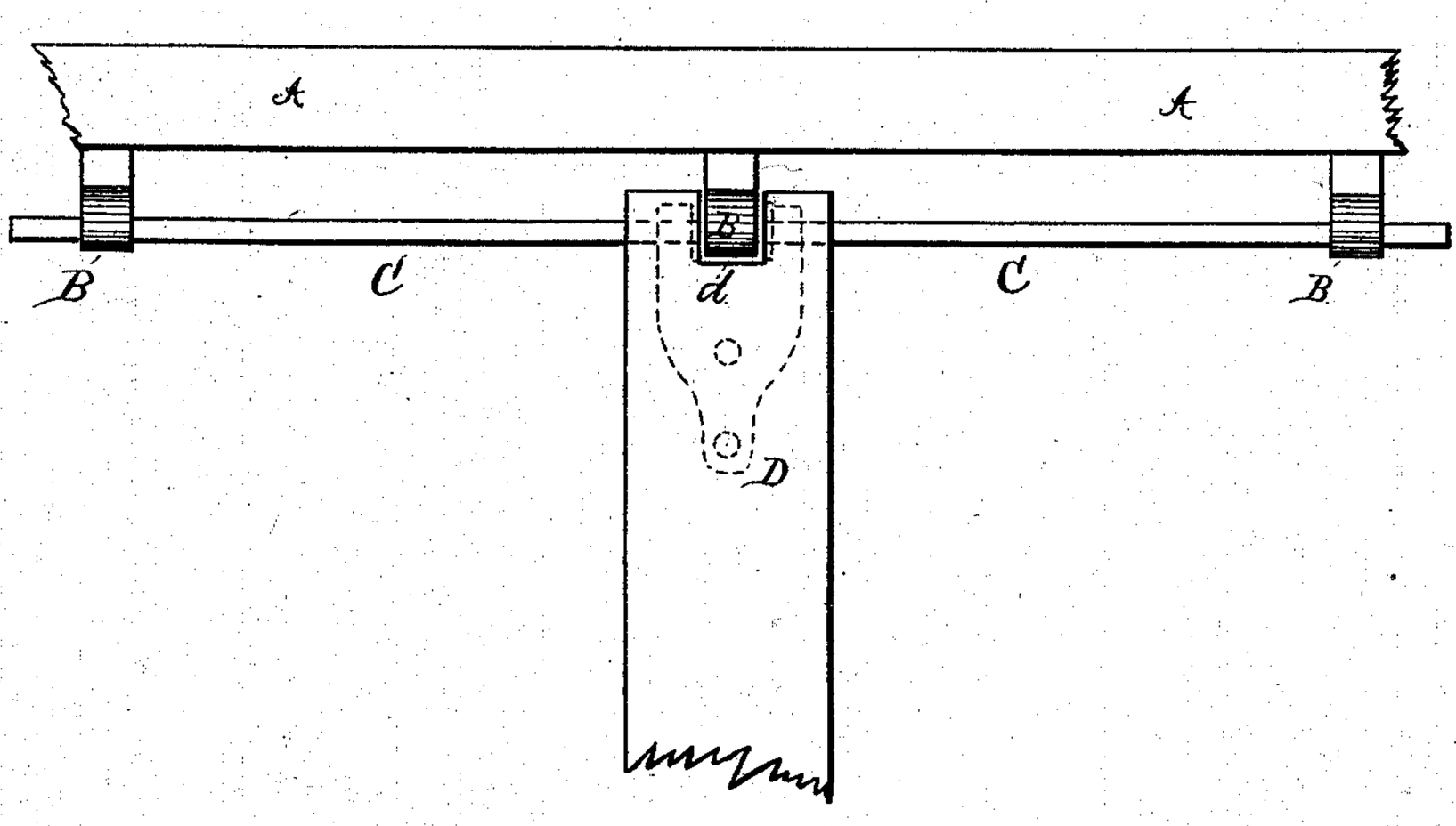


Fig. 2

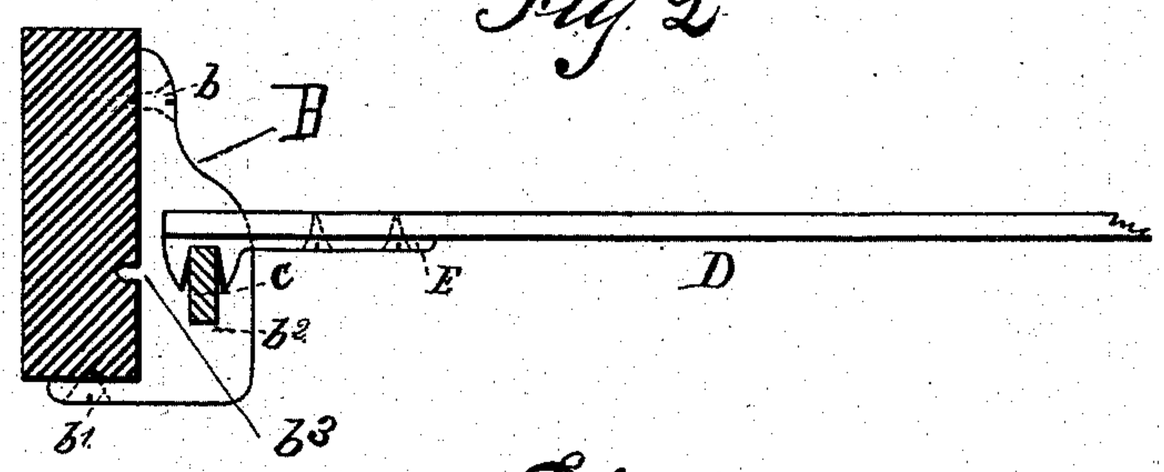
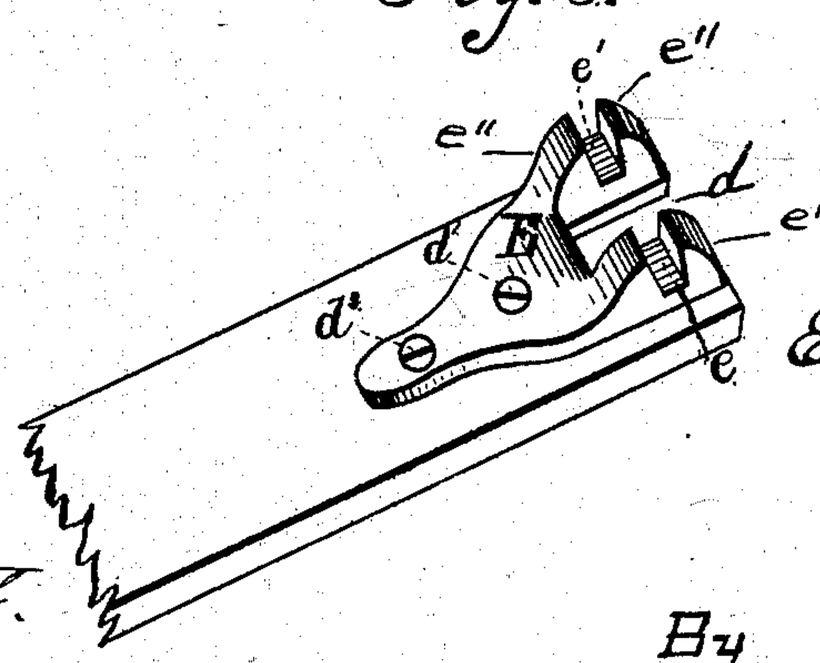


Fig. 3.



Witnesses
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Edward M Brown
By
Inventor
Atty.

UNITED STATES PATENT OFFICE.

EDWARD M. BROWN, OF NASHUA, ASSIGNOR OF ONE-HALF TO BENJAMIN R. TILTON, OF CHICKASAW COUNTY, IOWA.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 249,454, dated November 15, 1881.

Application filed October 4, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDWARD M. BROWN, a citizen of the United States of America, residing at Nashua, in the county of Chickasaw and State of Iowa, have invented certain new and useful Improvements in Bedstead-Slat Rests and Locks; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 is a plan of a fragment-bedstead embodying my improvements; Fig. 2, a section of a side rail of the same with my improvements attached, and Fig. 3 a perspective of the under side of one end of a slat adapted to be used with my improved slat-lock attached to the same.

The objects of my invention are to provide means for the attachment and support of the slats of bedsteads which shall be strong and simple, and which shall serve to retain the side rails in a straight line, thus preventing their spreading and allowing the slats to fall down, and to provide such means as shall secure these benefits and at the same time provide no recesses or crevices in which insects can lodge or remain; and my invention consists in certain devices and combinations of devices hereinafter described, and specifically set forth in the claims.

Referring to the drawings, in which like letters of reference refer to like parts in all of the figures, A represents the side rail of a bedstead, which is attached to the head and foot board in any suitable well-known manner.

To the side rail I attach brackets B by means of a blind stud, b^3, and screws b b' passing into the side rail, the one from the inside and the other into the bottom of the rail, whereby the brackets are securely held and are not liable to be detached by downward or lateral strain or pressure. The brackets B, besides the extensions for the reception of the screws b b', are also provided with apertures b^2 for the reception, retention, and support of the slat-supporting rods C, which snugly fit the apertures b^2 and become, with the brackets, a permanent fixture to the side rails A.

The brackets B consist of a body portion, which is provided with an opening through which slat-supporting rods may be passed and supported at a short distance from and in a direction parallel with the side boards of the bedstead to which the brackets are attached. To this body portion and integral therewith I add extensions, as shown, and hereinafter described.

Thus far my improvements provide a side rail for bedsteads free from cracks and crevices, which are so objectionable on account of the harbor given to insects, and a side rail admirably adapted for shipment and packing for storage or transportation.

The slat-rods C are shown square; but they may be round, if desired, the brackets and other castings being adapted for the operation and use of said rods.

The slats D are mortised at their ends at d, in order that they may receive and extend about the upper portions of the brackets B and over the slat-rods C.

To the under side of each end of each slat I attach, in any convenient manner, (in this instance by screws d' d'',) what I term the "slat-locks" E. These are castings E, mortised as and for a like purpose as are the slats D, and are also provided with dependent lugs e'', mortised or slotted to receive, pass over, and rest upon the slat-rails C, their mortises or slots being in this instance square, to fit the rail C, which, if round, would require but a slight and evident change in the form of the slots e e' of the slat-locks E.

The operation of my improvements is as follows: The head and foot boards of the bedstead being in position, the side rails are placed in position in the usual manner, and, as hereinbefore stated, my slat-rails being a part of said side rails, they too are in position to receive the slats. Each slat is then placed in position. The depending socketed lugs attached at each end thereof embrace the slat-rail, and the mortised ends of the slats and their attached castings embrace the upper portion of the brackets, and these conjointly serve to hold the bedstead firmly against spreading

or lateral strain, while any diagonal strain to which the bedstead is subjected in the endeavor to push it on casters by force applied at only one corner thereof, as is very often done, is wholly resisted by these mortised connections of the parts.

I deem it proper to add that other slats may be placed between the brackets when it is evident that only the depending socketed lugs *e e'* would be necessary, and the end mortise of the slat-lock and slat may be dispensed with.

It will be readily observed that each slat is easily removable upward when it is desired to take the bedstead apart.

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

1. A bracket for side rails and slat-rods of bedsteads consisting of the body portion B, provided with extensions for the reception of screws *b b'*, and an aperture, b^2, for the reception of said slat-rails, said bracket also having a blind stud, b^3, substantially as shown and described.

2. A slat-lock for bedstead-slats, consisting of the plate E, provided with the depending slotted lugs *e e'* and an extension for the reception of screws *d' d''*, substantially as shown and described.

3. The combination of the side rails, A, slat-rods C, and brackets B, having integral blind stud b^3, and a bottom projection or extension adapted for the reception of screw *b'*, substantially as shown and described.

4. The combination of the side rails, A, brackets B, slat-rods C, and slats D, provided with slots *d*, and the slat-locks E, provided with dependent lugs *e'' e''*, substantially as shown and described.

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

EDWARD M. BROWN.

Witnesses:
NATHANIEL MITCHELL,
DAVID R. BRADFORD.