D. Ball,

Bedstead Fastening,

No. 2,562. Patented Apr. 16, 1842.

Fig. 1.

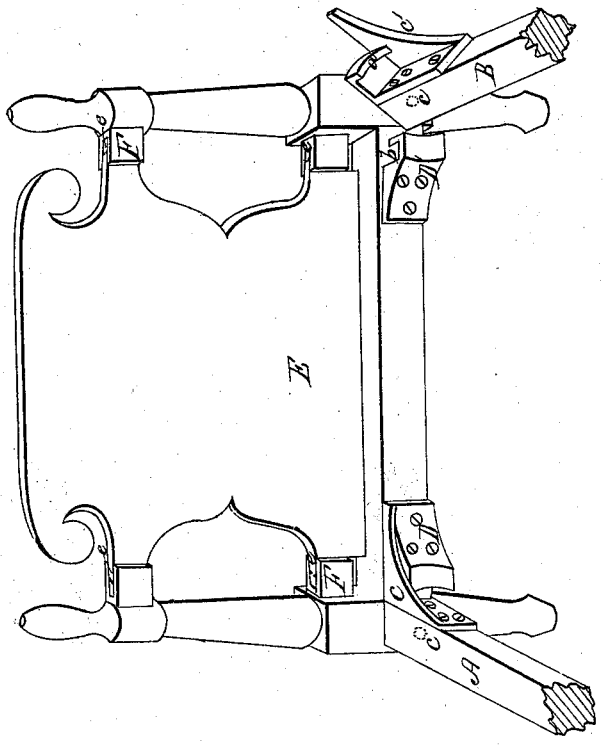
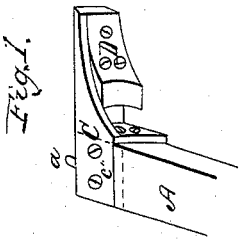


Fig. 2.



UNITED STATES PATENT OFFICE.

DANIEL BALL, OF SANDY HILL, NEW YORK.

BEDSTEAD-FASTENING.

Specification of Letters Patent No. 2,562, dated April 16, 1842.

To all whom it may concern:

Be it known that I, DANIEL BALL, of Sandy Hill, in the county of Washington and State of New York, have invented a new and useful Improvement in the Manner of Constructing the Fastenings for Bedsteads; and I do hereby declare that the following is a full and exact description thereof.

The improved bedstead fastenings invented by me I usually make of cast-iron, and attach them by screws to the head and side rails of the bedstead. These rails have a round pin on each of their ends, which enter corresponding holes made to receive them in the posts; upon these pins the rails are capable of rotating to the extent necessary in the operation of fastening or unfastening the bedstead; the two parts to be presently described, and which constitute a fastening at each of the four corners, being made to lock together by rotating two of the rails.

The accompanying drawing represents the head, and a portion of two of the side rails of a bedstead, with the fastenings attached to the rails; the side rail A, is shown in the position occupied by it when made fast to the head rail; and the rail B, is shown as rotated so as to disconnect it with the head rail, or as being ready to be rotated so as to attach the parts together; C, C′, are the fastenings attached to the side rails, and D, D′, those attached to the head and foot rails. The pieces C, have a curved offset, as shown at *a*, which fits into corresponding openings *b*, in the pieces D. The dotted lines *c*, *c*, represent the places of holes bored in the posts to receive round pins of wood, or of iron, on the ends of the rails, which holes must be made in the center of the curvature of the offset *a*, and of the corresponding recess *b*. The head and foot rails have usually, also, round pins on their ends, as the respective parts of the fastening adapt themselves the more perfectly to each other when all the rails can rotate freely.

Instead of forming the pins which enter the posts on the ends of the rails, they may be made on the fastenings themselves. In this case the top plate of the fastening C, may be made to extend over the top of the side rail, as shown at C″, Figure 2, a pin *d*, being cast on it, which is to enter a hole made to receive it in the posts. This pin must, of course, be in the center of the curvature of the interlocking parts of the fastenings. By giving a slight slope, or draw, to these interlocking parts, it will be manifest that the joints of the bedstead may be drawn together perfectly close. The fastenings C, may be put on to the head and foot rails, and those D, on to the side rails, if preferred.

To give additional stiffness to the bedstead, when put together, I cause the head board, or the head and foot boards, when a foot board is used, to be received into metallic clips upon the posts, where they are held firmly by means of tongues and grooves. E, is a headboard, and F, F, metallic clips attached to the posts and between the cheeks of which the head board is received; on the inner side of these cheeks there are tongues cast which fall into corresponding grooves made in the head board, as shown at *e*, *e*, in the drawing.

The manner of putting the parts of this bedstead together, and of separating them, will be obvious from the foregoing description of its construction, the rotating of two of the rails being all that is necessary in either case, when the pins on the ends of said rails are in place within the openings in the posts.

Having thus, fully described the nature and operation of my bedstead fastenings, what I claim therein as new, and desire to secure by Letters Patent, is—

1. The manner of forming the two parts marked C and D, so that an offset on the former shall fit into a recess in the latter, and draw and bind the parts together by rotating the rail to which the parts C, C, are attached, said rail rotating upon pins which enter the posts, in the manner set forth.

2. I also claim the particular manner of fastening the head and foot boards by means of the metallic clips, and the tongues and grooves, arranged and operating as described.

DANIEL BALL.

Witnesses:

THOS. P. JONES,

E. L. BRUNDAGE.