W. H. ELLIOT.

Bedstead-Fastenings

No. 163,982. Patented June 1, 1875.

Fig. 1.

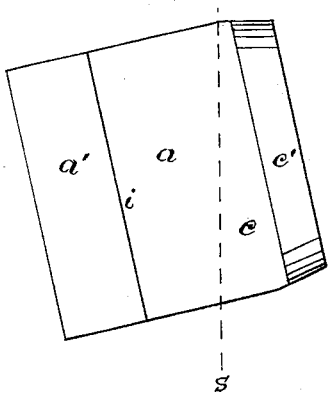


Fig. 3.

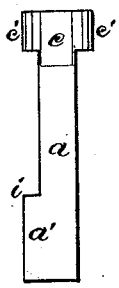


Fig. 2.

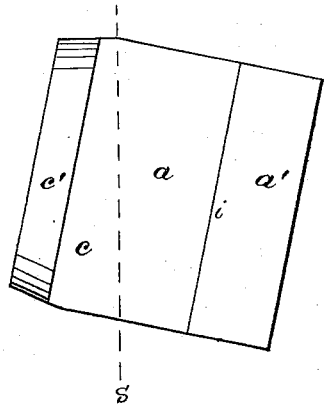


Fig. 4.

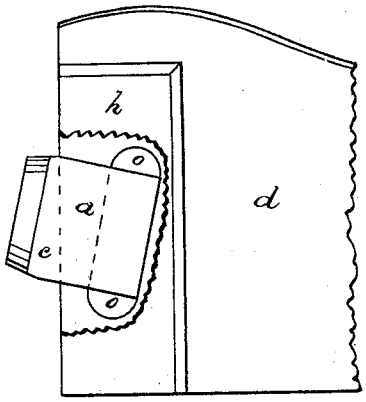


Fig. 6.

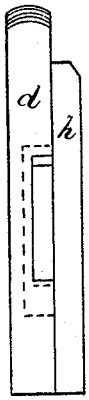
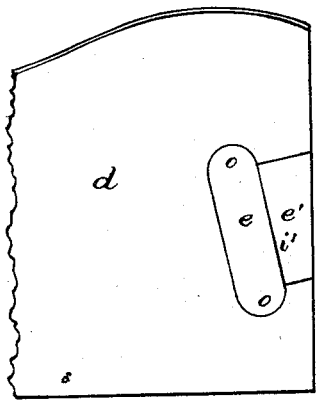


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM H. ELLIOT, OF NEW YORK, N. Y.

IMPROVEMENT IN BEDSTEAD-FASTENINGS.

Specification forming part of Letters Patent No. **163,982**, dated June 1, 1875; application filed November 7, 1874.

To all whom it may concern:

Be it known that I, W. H. ELLIOT, of the city, county, and State of New York, have invented an Improved Bedstead-Fastening, of which the following is a specification:

My invention refers to bedstead-fastenings, made of wood, and its design is to meet some of the objections to them which have been developed by their manufacture and use. The nature of my invention consists in a peculiar construction of the tenon, and in the arrangement of it in relation to the rail, which will be found fully set forth in the specification and claim.

Figure 1 is an elevation of that side of the tenon which has upon it the flat projection *a'*. Fig. 2 is the same in a reversed position, showing that it may be used either edge up. Fig. 3 is a top view of the same. Fig. 4 is a side elevation of a tenon of the end of a rail and a cleat partly broken away, to show the tenon in place, in the end of the rail. Fig. 5 is a side elevation of the opposite end of the rail, showing the rail mortise or cut for the tenon. Fig. 6 is an end elevation of a rail, including the cleat, showing the entrance to the rail-mortise, and the depth of the shoulder between the two flat depressions.

a is the body of the tenon, or that portion of it which occupies the rail-mortise. *a'* is a flat projection on the same. *c* is the head of the tenon, or that portion of it which occupies the post-mortise. *c'* are shoulders, or projections on the head, which rest against the diagonal shoulders of the post-mortise. These shoulders, by their action, make the fastening self-tightening in the usual way. *d* is the side rail. *e* and *e'* are two flat depressions forming the rail-mortise; *h*, the cleat across the end of the rail which covers the tenon; *i*, a shoulder formed by the projection *a'*; *i'*, a shoulder in the rail-mortise, formed by sinking the surface *e* below the surface *e'*, as represented by dotted lines, Fig. 6. *o* are recesses in the rail-mortise, made to let in the corners *x* of the flat projection *a'*. *s* are dotted lines, showing the position of the face of the post and end of the rail. In the construction of the tenon, the shoulders or projections *c'*, instead of being angularly arranged in relation to the shoulders on the body of the tenon, are made parallel with them, and, also, parallel with both ends of the tenon, and the necessary angularity of the shoulders *e'*, to correspond with the usual diagonal shoulders of the post-mortise, is obtained by cutting the rail-mortise angularly in relation to the end of the rail.

Having described my invention, what I desire to have secured to me by Letters Patent of the United States is—

In a bedstead-fastening a wood-tenon having all its shoulders parallel to each other, and to the ends thereof, and united with the side rails of the bedstead by a mortise cut diagonally therein at an angle corresponding with the inclination of the post-mortise, said rail-mortise being covered by the cleat *h*, substantially as and for the purpose set forth.

W. H. ELLIOT.

Witnesses:

D. LEWIS,

C. L. OSGOOD.