

(Model.)

H. E. SWIFT.
BEDSTEAD FASTENING.

No. 271,996.

Patented Feb. 6, 1883.

Fig. 1.

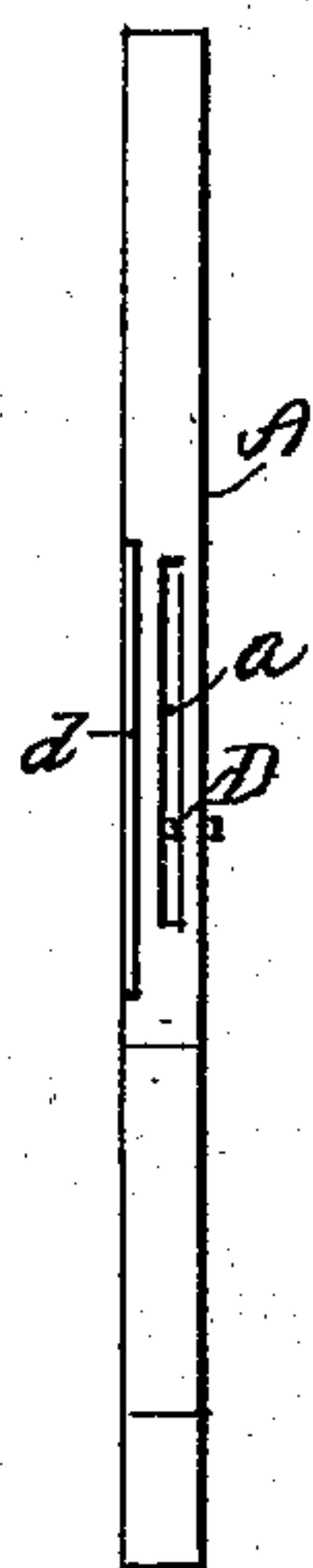


Fig. 2.



Fig. 3.

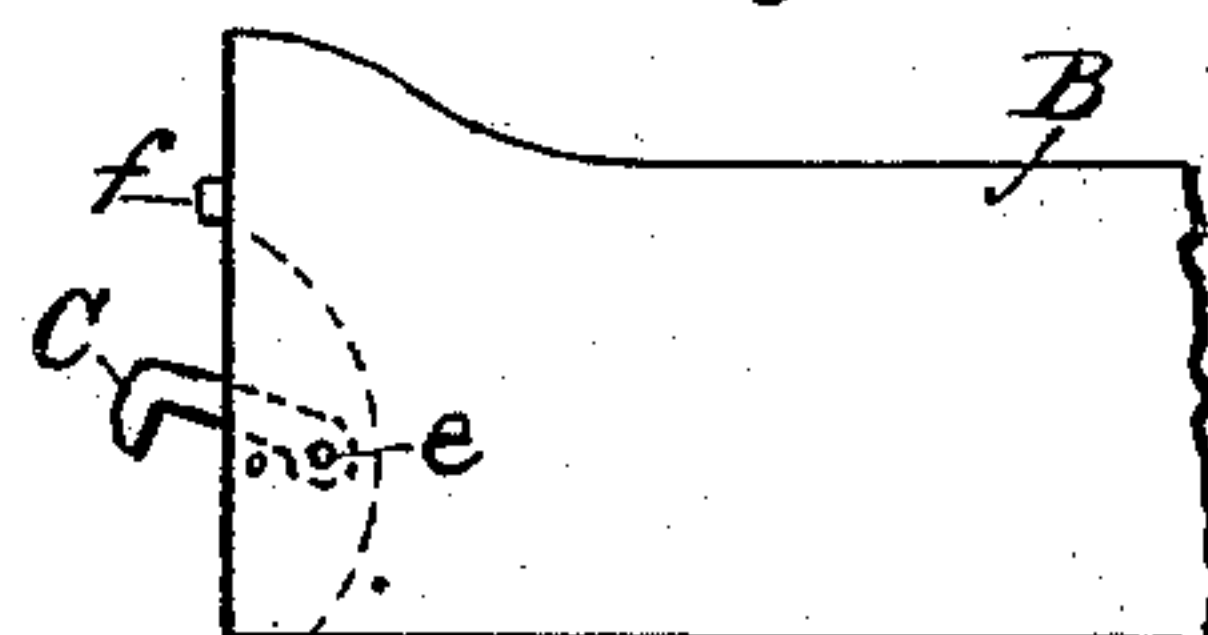
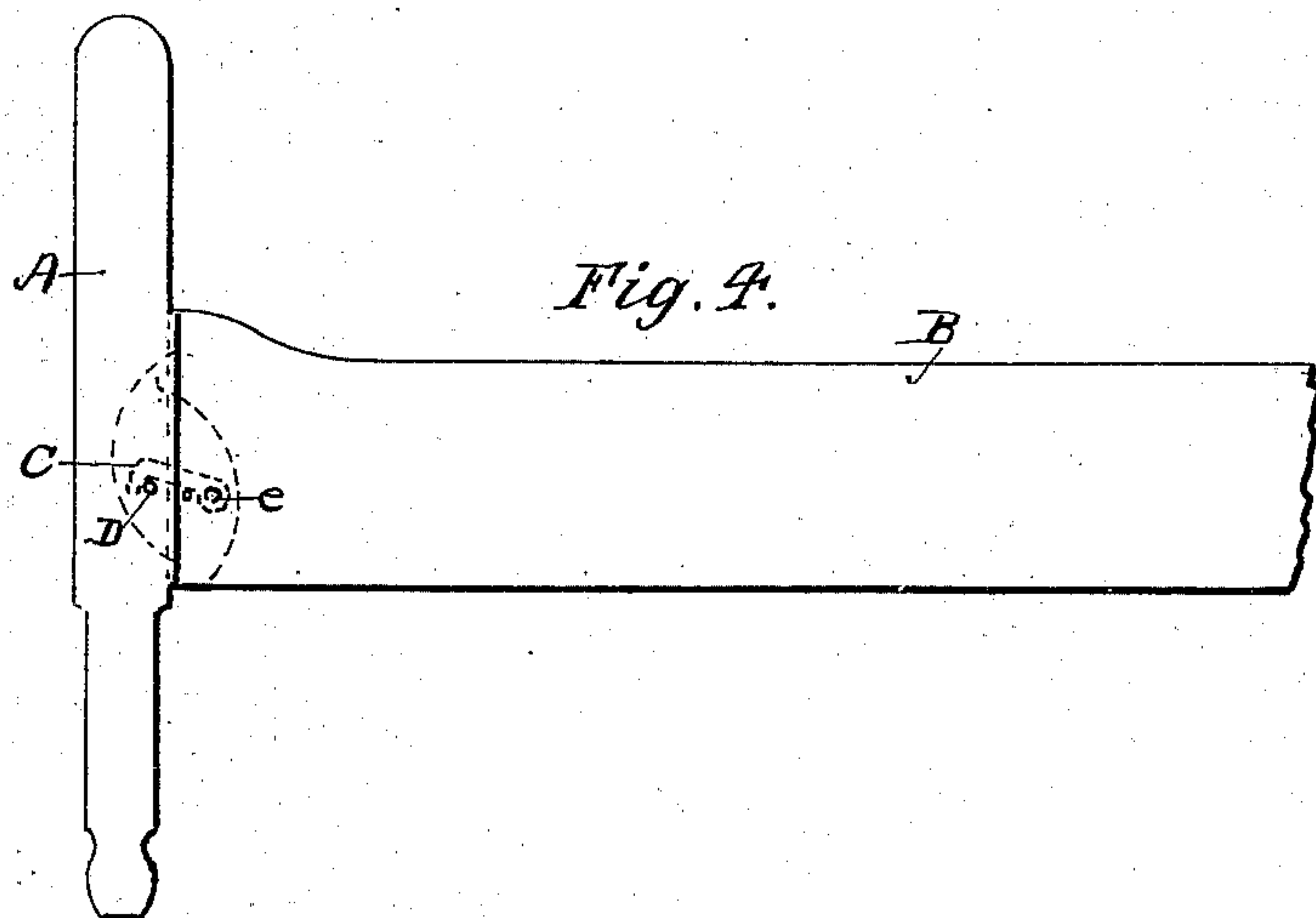


Fig. 4.



Witnesses.

Horatio Scholfield

Wm Walther

Inventor.

Horace E. Swift.

UNITED STATES PATENT OFFICE.

HORACE E. SWIFT, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO HIMSELF,
AND CHARLES BENSON AND STEPHEN T. WILLETS, OF SAME PLACE.

BEDSTEAD-FASTENING.

SPECIFICATION forming part of Letters Patent No. 271,996, dated February 6, 1883.

Application filed June 19, 1882. (Model.)

To all whom it may concern :

Be it known that I, HORACE E. SWIFT, of Providence, in the State of Rhode Island, have invented an Improvement in Bedstead-Fastenings, of which the following is a specification.

The nature of my invention consists in an improved combination of a loose pivoted hook with the rail and post of a bedstead, as hereinafter fully described.

Figure 1 represents an edge elevation of the bed-post, showing the groove or mortise and transverse pin for securing the rail to the post. Fig. 2 represents an end view of the bedstead-rail. Fig. 3 represents a central vertical section of the bedstead rail and post, and Fig. 4 the post and rail combined.

In the drawings, A is the bedstead-post, and B the rail, which is provided at its ends with a groove or saw-cut, *b*, within which is pivoted the hook C, adapted to engage with the pin D, which extends across the groove or mortise *a* in the post A. The rail B may be supported laterally by means of the flange *d*, and also by means of a pin, *f*, placed in the end of the rail at a distance above the hook C, and which enters a suitably-located mortise in the post above the pin D, thus serving to prevent twisting strain upon the hook from lateral strain upon the rail.

In the ordinary bedstead-rail fastenings, in which a fixed cam-hook is employed, or in which a fixed plain hook operates against a stationary cam-surface secured to the post is used, the wear of the hook or cam-surface is liable to cause looseness of the joint, and to prevent this tendency careful workmanship is required in the fitting up of the cam-surface and in the attachment of the parts to the post and rail, and the joints so made are liable to bind, so as to prevent the ready removal of the rail from the post; but by my improvement the wear of the parts is rendered inconsiderable, and the movement of the hook C upon its

pivot *e* when the rail B is being raised for removal from the post causes the release of the hook from its previous firm contact with the pin D, with but slight frictional resistance to such upward movement, the engaging-pin D and pivot-pin *e* being so located with relation to the length of the hook C that upon the elevation of the rail the end of the rail will be allowed to move away immediately from the side of the post. In the rail B, and below the shank of the hook C, is placed transversely the wire pin *g*, or an equivalent fixed stop, serving to prevent the movement of the hook to a downward inclination with the end of the rail, and by means of this stop the hook C is prevented from continuing its hold upon the pin *e* and again drawing the rail against the post when the rail is being elevated for the purpose of disengagement and removal.

I am aware that loose hooks have been heretofore employed for the purpose of a bedstead-fastening; but such hooks have been so constructed that the fastening was effected by drawing back the hook by means of wedges or cams; and by means of the loose hook provided with a fixed stop against the downward movement of the hook when lifting the rail I am enabled to secure the rail and post to each other in a very simple and effective manner and avoid complication.

I claim as my invention—

In a bedstead-fastening, the combination of the pivoted hook, held in the groove of the rail and provided with a fixed stop against the movement of the hook, to a downward inclination with the end of the rail, and the hook-engaging pin, passing across the groove or mortise in the post, substantially as described.

HORACE E. SWIFT.

Witnesses:

SOCRATES SCHOLFIELD,
HARMON S. BABCOCK.