

P. McIntyre.

Bedstead Fastening.

N^o 90,568.

Patented May 25, 1869.

Fig. 1.

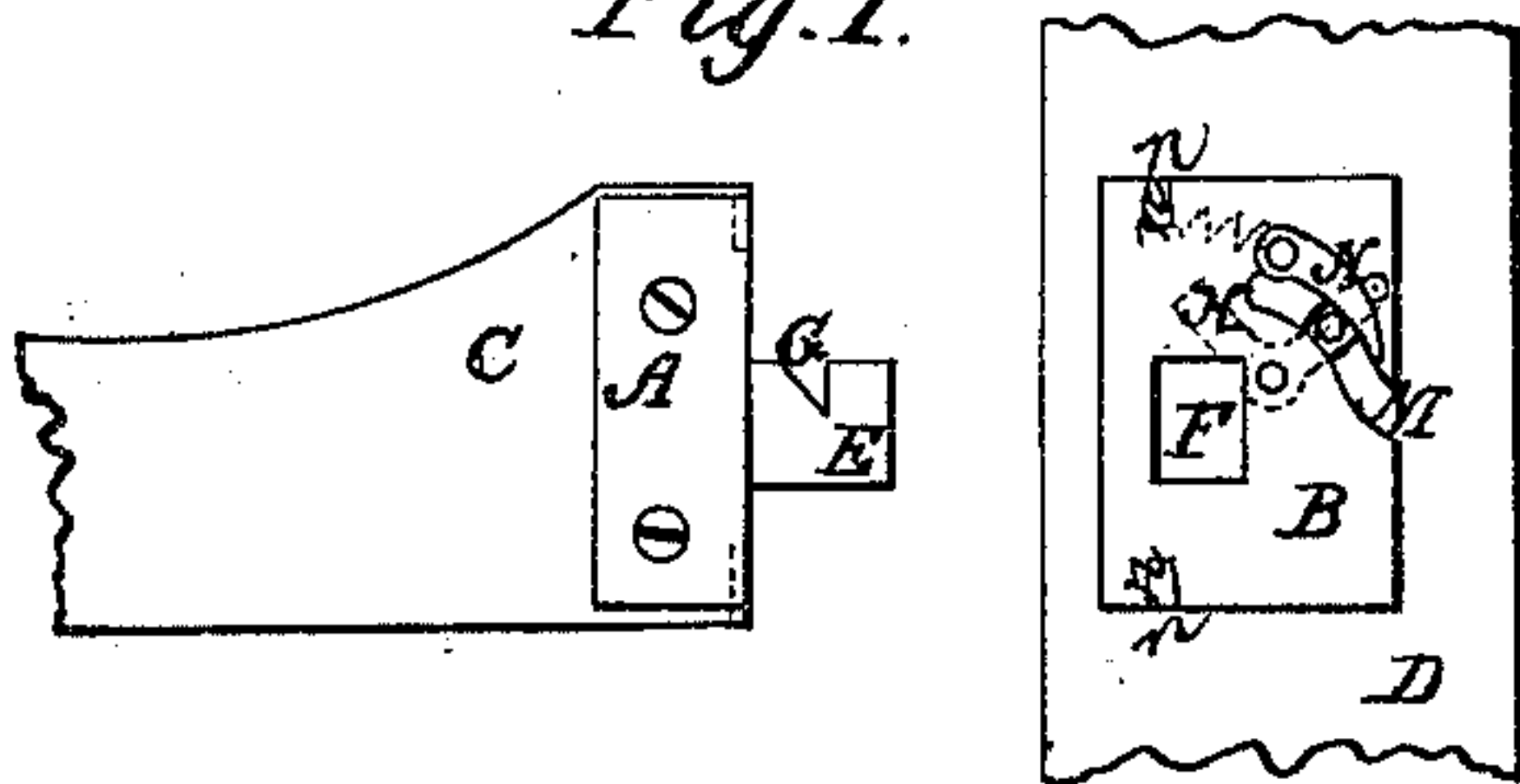


Fig. 2.

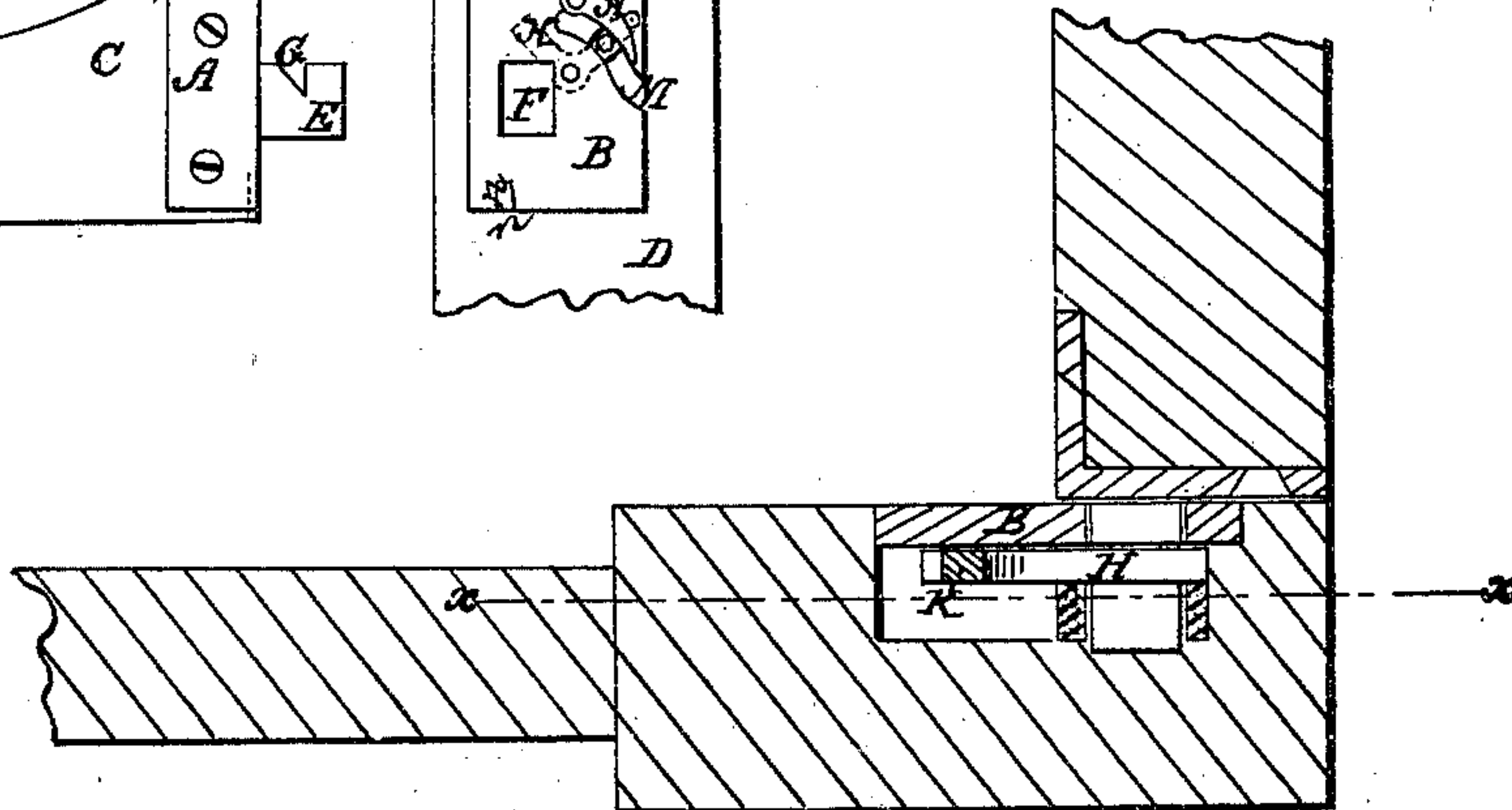
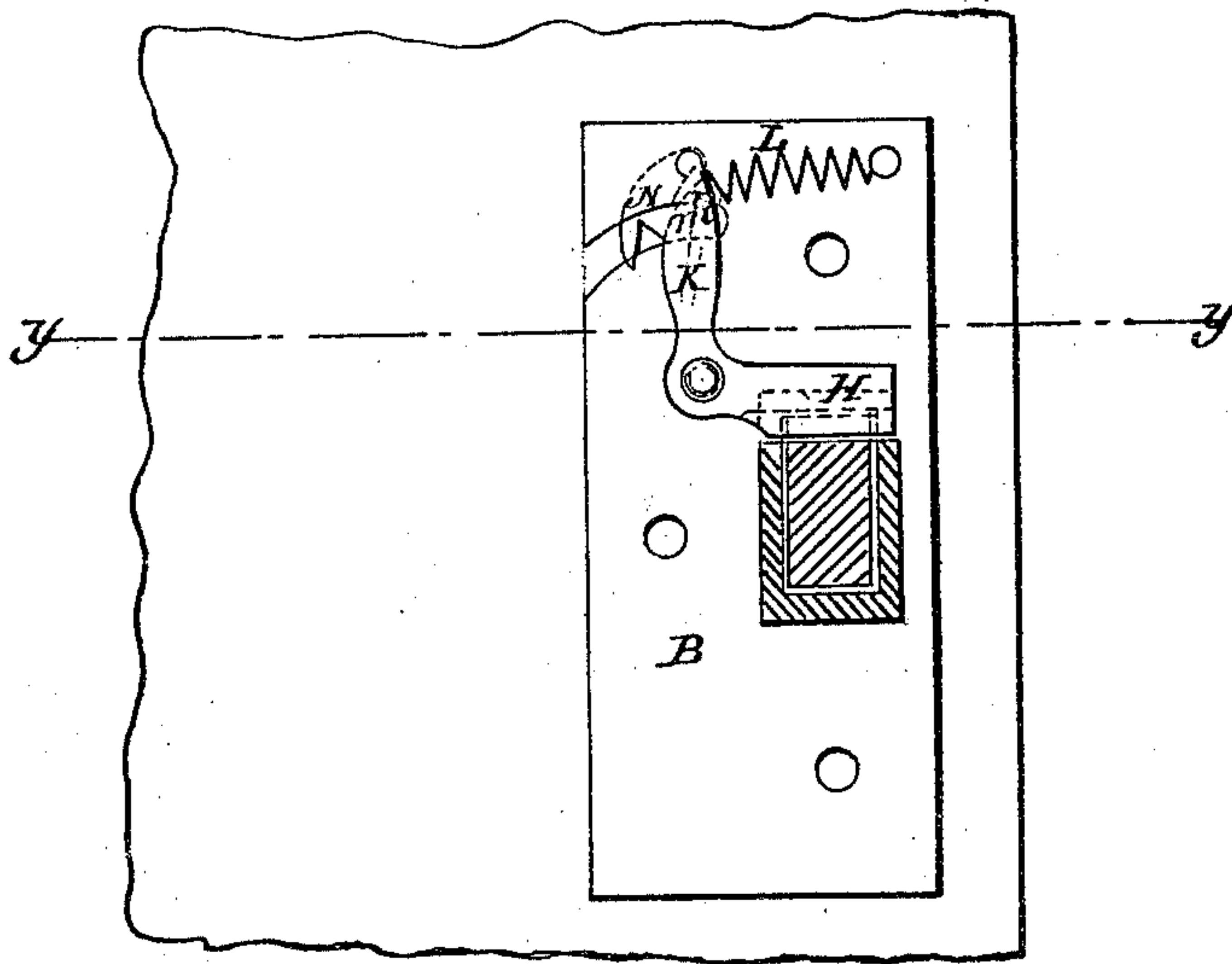


Fig. 3.



Witnesses,

*Joseph Connor
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Inventor:

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United States Patent Office.

PETER MCINTYRE, OF NORWICH, CONNECTICUT.

Letters Patent No. 90,568, dated May 25, 1869.

IMPROVED BEDSTEAD-FASTENING.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, PETER MCINTYRE, of Norwich, State of Connecticut, have invented a new and improved Bedstead-Fastener; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the figures and letters marked thereon, and in which the same parts are indicated by the same letters.

The nature of my invention consists in providing the joints by which bedsteads are put together, or framed, with metallic fasteners, which are so constructed that the parts can be readily and easily engaged or disengaged, and be held securely and closely while in position.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my fastener in two pieces, A and B, Figure 1, A being attached to the side-piece, C, of the bedstead, and B to the post D.

Upon the part A is a projection, or tenon, E, which takes, or enters into the mortise, or cavity F, in the part B. These parts should be made to fit snug, but not to bind.

In the tenon E a bevelled notch, G, is formed, having a vertical face toward the outer end, as shown.

Into this notch the latch H, attached to the inside of the part B, is made to enter, and thereby retain and hold the parts together, as shown in Figure 2.

The latch H is secured to the inside of the part B by a pivot, J, as shown in Figure 3, which is a back elevation of the part B.

The latch H is raised out of the notch G by the lever K, attached to the latch, when the bedstead is to be taken apart, and is drawn into and retained in place by the retractor-spring L, fig. 3.

The lever K has an armature, *m*, upon its front side, projecting through the part B, and working in the curved slot M, as shown in fig. 1.

This armature takes against the lever N, on the outer face of the part B, as shown in fig. 1, and by the action of this lever upon the armature *m*, the latch H is disengaged from the notch G.

The lever N has a notch formed in it, so that the armature *m*, when drawn outward by this lever, shall catch in and be held by it, and thereby hold the latch H clear of the notch in the tenon E; but upon backing the lever N, the armature *m* will be disengaged from this notch, and the latch H will immediately drop into its place.

For the purpose of giving greater strength and stability to the joints, I place a pair of coupling-studs, or pins, *n n*, on the face of the part B, and corresponding holes for their reception in the face of the part A, which effectually accomplishes these objects.

The metallic fasteners for the joints of bedsteads heretofore in use have been constructed on what is known as the dovetail-principle, and consisting mainly of a dovetailed tenon, upon the end of the side, dropping vertically into a dovetailed recess attached to the post. But to this mode of fastening there are great objections, for the parts frequently become so wedged together, by the gripping of the inclined faces of the dovetails, that it is almost impossible to separate them, or to take the bedstead apart without wrenching such fastenings from their places, and as such fastenings have to engage and disengage by a vertical movement of the sides upon the posts, and which, for the most part, being varnished, such attrition is thus encountered that the parts are seldom put home to their proper places. All these difficulties are completely obviated by the use of my improvement, as the tenon enters directly into the mortise, without any binding of the bearing-surface, or any vertical rubbing of the end shoulders against the face of the posts, the parts being instantly and firmly secured together by the latches, and as instantly and easily disengaged when required.

The fastening herein described I have practically tested; but I do not wish to confine myself to the exact details of construction here shown, but claim the right, under this patent, to alter or vary the same, as may be considered advisable, to meet the views of purchasers, so long as the principle of the device remains unchanged.

Having thus described my improvement,

What I claim therein as my own invention, and desire to secure by Letters Patent of the United States, is—

A bedstead-fastener, consisting of a mortise and notched tenon, secured by a latch, H, having an armature, *m*, attached to its lever K, to take against the outer lever N, by which outer lever the latch H is lifted and retained out of the notch G of the tenon E, when required, constructed and operating in the manner and for the purpose substantially as described.

PETER MCINTYRE

Witnesses:

JOSEPH CONNOR,
ALBERT S. BOLLES.