

(No Model.)

A. E. CLEVETT.  
SLAT LOCK AND BED STAY.

No. 414,292.

Patented Nov. 5, 1889.

Fig-1-

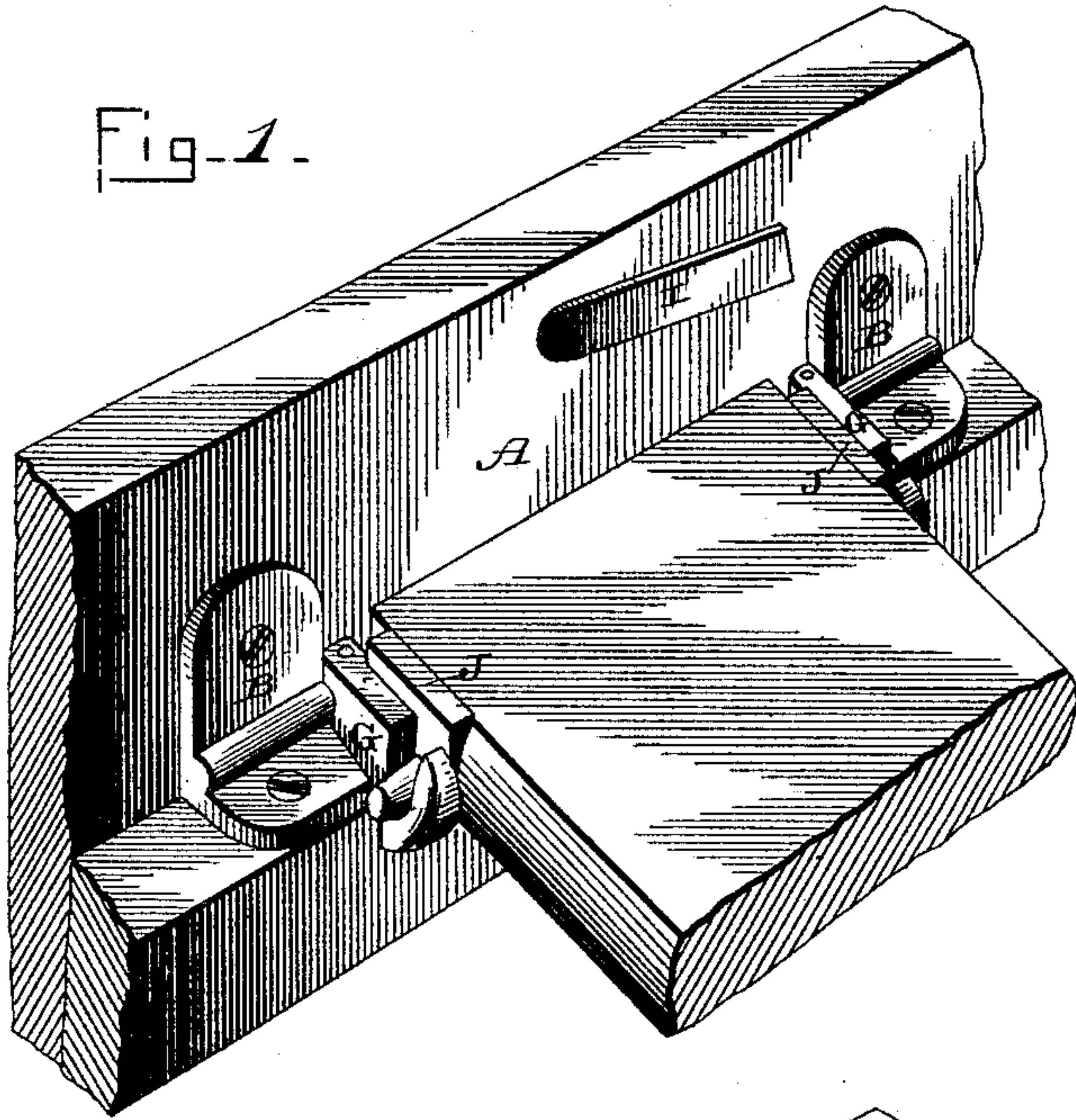


Fig-2.

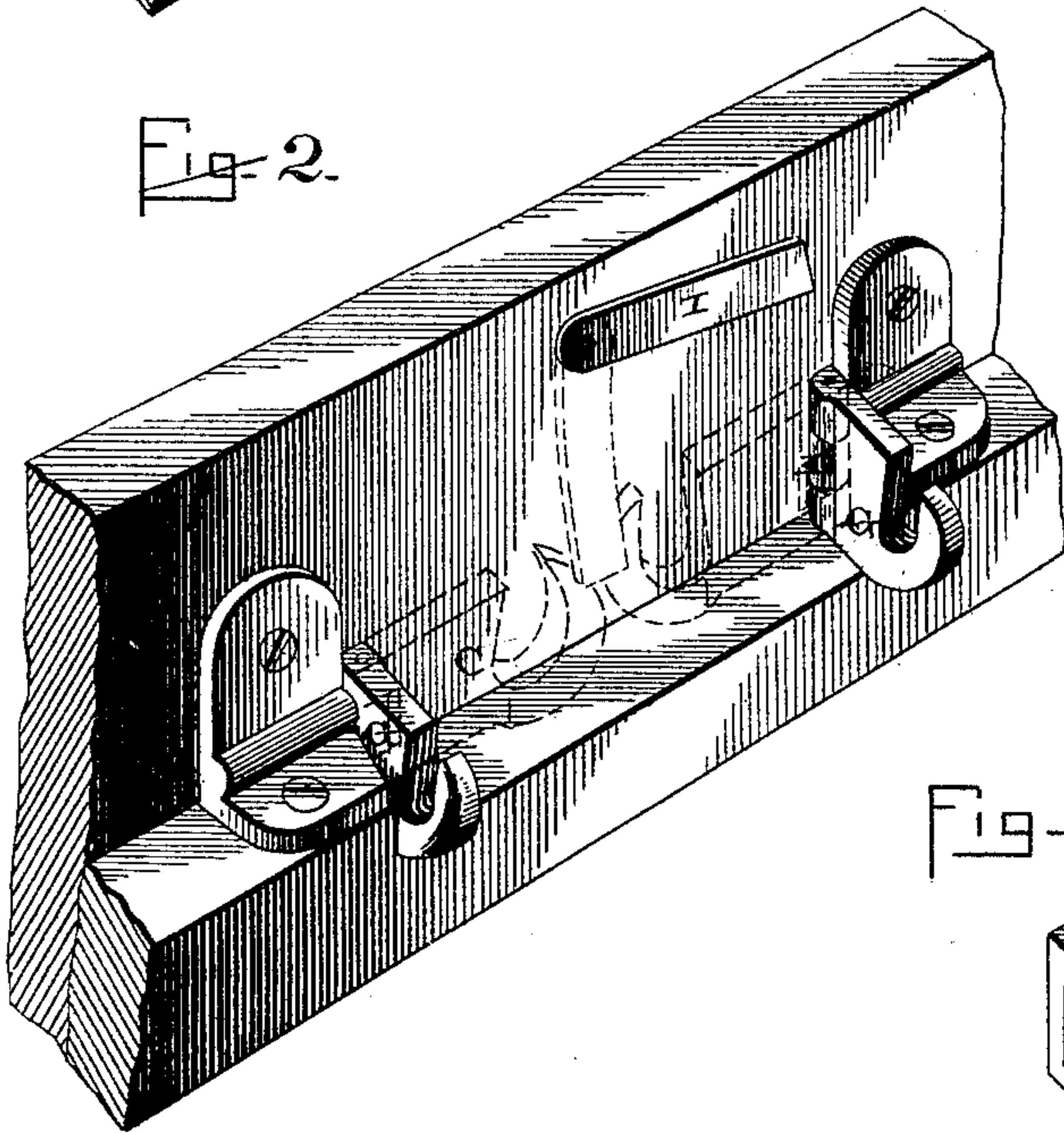
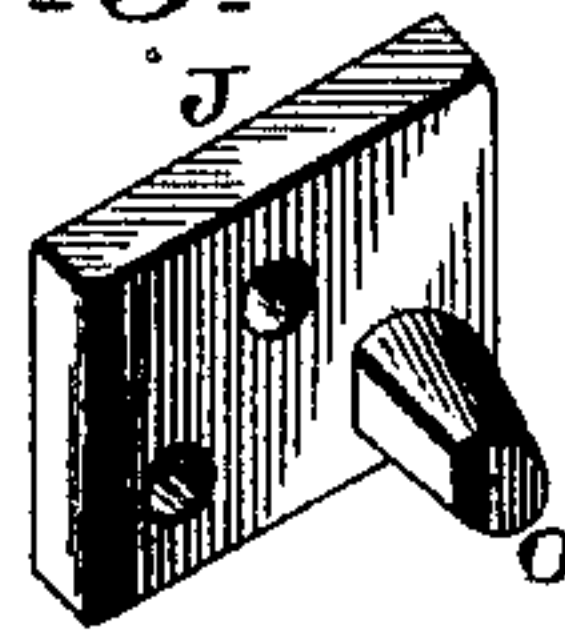


Fig-3.



Witnesses:

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A. E. Clevett,  
per  
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att'y.



# UNITED STATES PATENT OFFICE.

ARTHUR E. CLEVETT, OF KEWANEE, ILLINOIS.

## SLAT-LOCK AND BED-STAY.

SPECIFICATION forming part of Letters Patent No. 414,292, dated November 5, 1889.

Application filed July 22, 1889. Serial No. 318,293. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR E. CLEVETT, of Kewanee, in the county of Henry and State of Illinois, have invented certain new and  
5 useful Improvements in Slat-Locks and Bed-Stays; 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 pertains to  
10 make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in slat-locks and bed-stays; and it consists in,  
15 first, the combination of the side rails of the bed with pivoted or hinged supporting-hooks attached thereto and a slat provided with plates upon opposite sides of its ends and which are provided with projections which  
20 catch in the hooks; second, the combination, with the side rails of the bed, of angular plates secured thereto, pivoted hooks attached to the plates, and castings upon the ends of the  
25 slats provided with projections to catch in the hooks, as will be more fully described herein-after.

The objects of my invention are to attach to the side rails of the bed pivoted or hinged  
30 plates provided with hooks in their outer free ends for engaging with the projections upon the ends of the slats for the purpose of preventing the side rails of the bed from springing or bulging outward and thus allow the slats to fall through to the floor, and to brace and  
35 stay the bed so as to make it perfectly strong and rigid, and to enable the hooked plates to be closed inward against the side rail while the bed is packed for transportation or is being moved about, and thus prevent the plates  
40 from projecting outward in such a manner as to scratch and injure other parts which may be brought in contact with the side rails.

Figure 1 is a perspective of a slat-lock and bed-stay which embodies my invention. Fig.  
45 2 is a perspective of a portion of a side rail and its attachments. Fig. 3 is a perspective of one of the plates which is attached to the slat.

A represents the side rail of a bed, and to  
50 which the L-shaped plates B are secured upon each side of the recess C, made to receive the

end of one of the slats. Each of these plates B is provided upon its inner edge with an ear or projection D, and pivoted upon this projection is the hook supporting and locking  
55 plate G. Both of these plates G can be turned through about a quarter of a circle, so as to extend either in a direct line with the side rails when they are closed or project at a right angle thereto, as may be preferred. When  
60 these plates are closed against the side rail, they may be held in that position by means of a spring I, which is pivoted upon the rail, as shown, and which serves to prevent the hooked plates from swinging outward and  
65 scratching or marring other articles of furniture which may be brought in contact with the rails while they are detached from the bed for transportation or any other purpose. While these hooked plates are closed, so as to  
70 extend in a straight line with the side rail, they take up no appreciable room.

Secured to opposite corners of the slat are the plates J, which have the projections O extending therefrom at right angles to the  
75 length of the slat, and which projections catch in the hooked plates when the plates are turned outward at right angles to the side rail, as shown. These projections fit in the hooks sufficiently tight to prevent either the  
80 rail from having any outward spring or bulging movement or the slats from having any endwise movement, and thus the bed is braced rigidly in position. As the side rails cannot bulge or swing outward, the slats can-  
85 not become displaced nor the bed become shaky from constant use. These locking-plates will be attached to any suitable number of slats, so as to brace the bed, but need not necessarily be attached to all of the  
90 slats. As here shown the hooks are made nearly vertical upon one side and concaved upon the other, a construction which allows the projections to be readily removed and form a steady bearing for them; but I do not  
95 limit myself to this precise construction. The front parts of the hooks being made concave prevents the projections from rising when the bed is being pulled out, and the outer sides of the projections are squared or flat-  
100 tened, so as to correspond to the almost vertical sides against which they bear, and this



construction gives the slats a downward motion and prevents them from jumping out when the bed is pushed.

5 The attachments here shown do not prevent the ends of the slats from bearing upon the side rails in the usual manner, and hence no one slat is raised above the level of the other.

10 Having thus described my invention, I claim—

1. The combination of the side rails and the hinged or pivoted hooked plates attached thereto at opposite sides of the recesses to receive the ends of the slats, with the slat provided with projections at opposite corners to catch in the hooks, substantially as described.

15 2. The combination of the side rails, the angular plates secured thereto upon opposite sides of the recesses to receive the ends of the slats, the hooked plates pivoted to the angu-

lar plates and extending down into the recesses to receive the ends of the slats, the slats, and the plates secured to opposite corners of the slats and provided with projections to catch in the hooks, substantially as set forth. 25

3. The combination of the side rails provided with recesses to receive the ends of the slats with the pivoted or hinged hooked plates, placed in opposite corners of the recesses and which are adapted to close in a line with the rail, and a spring pivoted to the said rail for holding the plates in a closed position, substantially as specified. 30

In testimony whereof I affix my signature in presence of two witnesses. 35

ARTHUR E. CLEVETT.

Witnesses:

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