

No. 726,046.

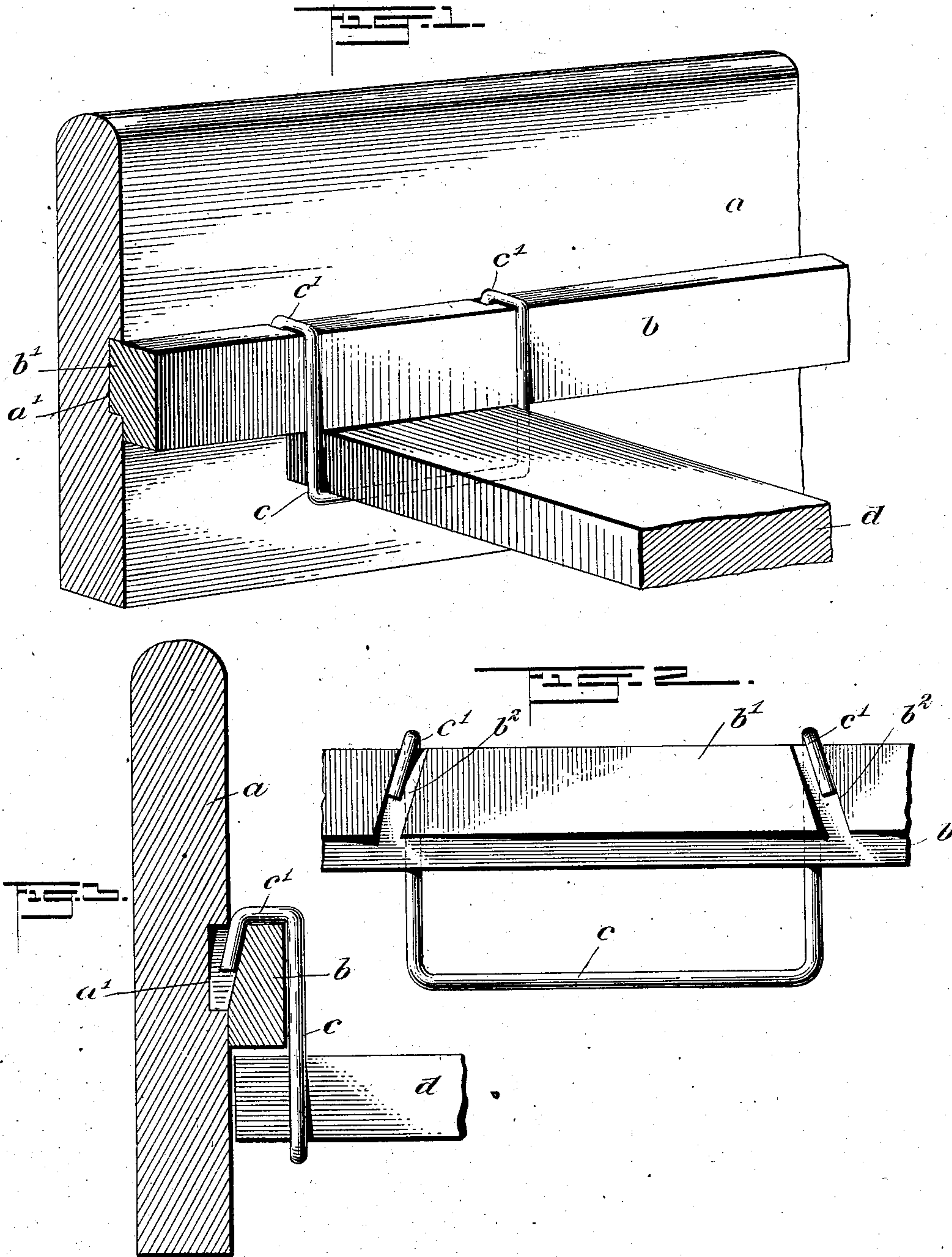
PATENTED APR. 21, 1903.

V. T. GRABS.

BED SLAT.

APPLICATION FILED JUNE 11, 1902.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

VIRGIL T. GRABS, OF KING, NORTH CAROLINA.

BED-SLAT.

SPECIFICATION forming part of Letters Patent No. 726,046, dated April 21, 1903.

Application filed June 11, 1902. Serial No. 111,140. (No model.)

To all whom it may concern:

Be it known that I, VIRGIL T. GRABS, a citizen of the United States, and a resident of King, in the county of Stokes and State of North Carolina, have invented a new and Improved Bed-Slat, of which the following is a full, clear, and exact description.

This invention relates to a fastener for bed-slats, the object being to insure that the slat will be held with absolute security and yet to avoid so increasing the cost of the bed as to render the use of the improvement undesirable.

This specification is an exact description of one example of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the invention. Fig. 2 is a view looking toward the outer side of the cleat and showing the engagement of the sling therewith, and Fig. 3 is a vertical section taken alongside of the sling.

a indicates the side rail of the bed, and in this side rail is formed a longitudinal groove *a'*, which extends along the inner side of the rail and is of rectangular cross-sectional contour. In this groove is fastened securely the reduced portion or bead *b'* of the cleat *b*, by which means the cleat is fastened securely in the position shown.

c indicates the sling, which is formed, preferably, of stout wire and has its arms or side portions projected up along the inner side of the bead *b'*, after which said arms are turned over and extended outward and thence downward to form hooks *c'*, such hooks having their pivots or extremities turned diagonally, as shown best in Fig. 2. These hooks pass over the top of the bead *b'* of the cleat *b* and have their diagonal extremities seated in diagonal grooves *b²*, formed in the bead *b'* of the cleat.

The sling *c* is constructed of spring-wire, and in placing it in position its side portions are compressed slightly toward each other and sprung into the said grooves *b²*, after which when the pressure on the sling is released the diagonal portions of the hooks are bound firmly against the diagonal walls of

the grooves *b²*, and thus the sling is locked in place, it being not possible to remove it except upon again compressing the side arms, as explained.

The slat is indicated at *d*, and this is placed in the sling immediately under the bead *b'* in a manner which will be obvious from the drawings.

In practice the side sections of my swing extend downwardly a sufficient distance to support the slats with their tops in a plane far enough below the under side of the bead *b'* to permit the swing to be conveniently elevated and unhooked from the side of the bed-rail when the slat is brought up into engagement with the under side of the said bead.

It is obvious that this device may be very cheaply constructed and forms a most effective and desirable means for attaining the end desired.

Various changes in the form and details of my invention may be resorted to at will without departing from the spirit of my invention. Hence I consider myself entitled to all forms of the invention as may lie within the intent of my claims.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In combination with the side rail and slat of a bed, a cleat carried by the side rail; diagonal cavities in said cleat; a swing for supporting the slat, said swing having a horizontal bottom section, upwardly-extending side sections, transverse sections for overreaching the cleat, and downwardly-extending diagonal sections for engaging the diagonal cavities of said cleat as specified and for the purpose set forth.

2. The combination with the side rail of a bed, of a bead fastened thereto and having a diagonally-disposed groove formed on the side adjacent to the side rail of the bed, and a sling having hooks engaged over said bead, one of said hooks having a diagonal extremity lying in the diagonal groove of the bead.

3. In combination with the side rail and slat of a bed, a cleat carried by the side rail and having diagonal cavities; a swing for supporting the slat, said swing being formed preferably of spring material and having a horizontal bottom section, side sections ex-

tending upwardly therefrom in contact with the sides of the slat; transverse sections extending from the top of the side sections across the top of the cleat and terminating
5 in downwardly-extending diagonal sections received into the diagonal cavities of the cleat; the diagonal sections of the swing being normally spaced apart from each other a distance slightly different from the distance
10 between the diagonal cavities of the cleat, whereby to cause said sections to have a binding engagement with said cavities when the swing is in its operative position, as and for the purpose set forth.
15 4. In supports for bed-slats, a swing made of spring material, said swing having a horizontal section; upwardly-extending side sec-

tions at the ends of the horizontal section; outwardly-extending transverse sections at the upper ends of the said side sections; said 20 transverse sections terminating in downwardly-extending sections, bent in diagonally opposite directions from each other and in a plane substantially parallel with the plane occupied by the side and bottom sec- 25 tions as specified and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

VIRGIL T. GRABS.

Witnesses:

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