

No. 668,324.

Patented Feb. 19, 1901.

W. J. BRAY & O. R. B. LEIDY.

DEVICE FOR SECURING RECLINING AND TILTING CHAIRS, &c.

(Application filed Mar. 19, 1900.)

(No Model.)

Fig. 2.

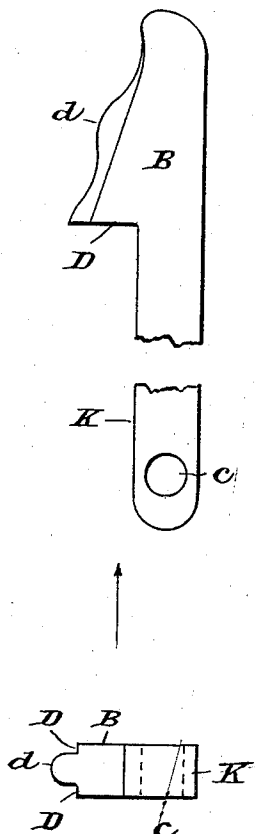


Fig. 1.

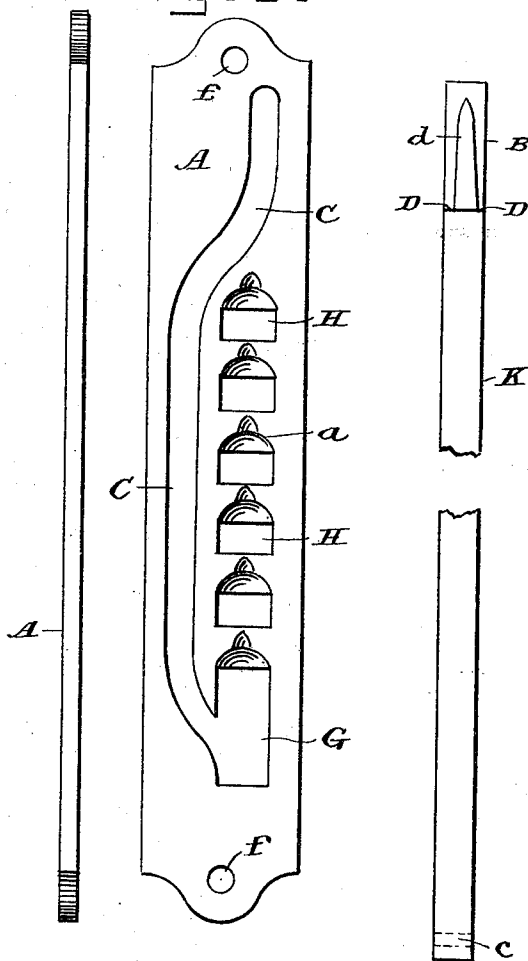
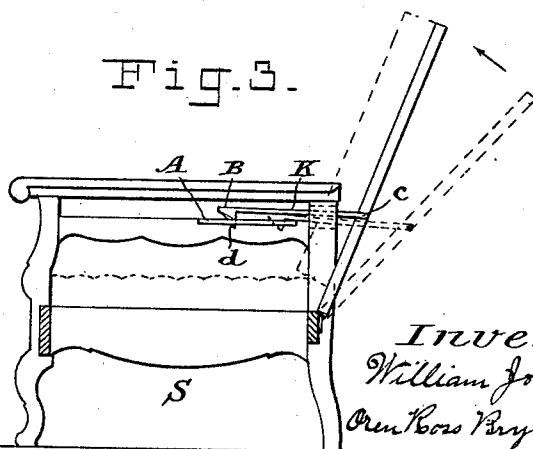


Fig. 3.



Witnesses:

E. B. Bolton  
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# UNITED STATES PATENT OFFICE.

WILLIAM JOHN BRAY, OF NEW YORK, N. Y., AND OREN ROSS BRYAN LEIDY, OF ALLENTOWN, PENNSYLVANIA.

## DEVICE FOR SECURING RECLINING OR TILTING CHAIRS, &c.

SPECIFICATION forming part of Letters Patent No. 668,324, dated February 19, 1901.

Application filed March 19, 1900. Serial No. 9,293. (No model.)

*To all whom it may concern:*

Be it known that we, WILLIAM JOHN BRAY, a subject of the Queen of Great Britain and Ireland, and a resident of the city, county, and State of New York, and OREN ROSS BRYAN LEIDY, a citizen of the United States, and a resident of Allentown, Lehigh county, Pennsylvania, have invented certain new and useful Improvements in Devices for Securing Reclining or Tilting Chairs and the Like, of which the following is a full, clear, and exact specification.

Although our invention is applicable to reclining and tilting chairs generally, lounges, cots, and the like, and we do not desire to limit it to any one of these, we will describe our invention throughout the present specification as applied to a reclining-chair.

Our invention consists in the features and combinations and arrangement of parts hereinafter described, and particularly pointed out in the claims.

We will now proceed to describe our invention in detail, having reference to the accompanying drawings, forming part of our application, in which like letters of reference indicate like parts throughout the several views.

Figure 1 is a front elevation of the plate A. Fig. 2 is a side elevation of the dog B, and Fig. 3 is a view of a reclining-chair slightly tilted and having our device applied thereto.

As will be seen from Fig. 1, the plate A, which may be made of any material, contains a number of transverse notches or apertures H, having their forward or front edges *a* grooved, a mortise G in which the nose *d* of the dog B rests, and a slot C, running in horizontal direction from near the upper end of the plate into the mortise G. If desired, the plate may be made with screw-holes *f*.

The dog B comprises an elongated rod K, having near its lower end a hole or opening *c* for the passage therethrough of proper retaining means and at its upper end a nose *d*, with an ogee-shaped ridge.

In putting our invention into practice we secure the dog B at the part *c* to the reclining part of a chair. The plate A is then secured to the arm or any other convenient part of the stationary portion of the chair. When in normal position, the nose *d* of the

dog B rests in the mortise G of the plate A. As the chair is tilted forward the dog B is pressed slightly outward, and as the first notch H of the plate A becomes flush with the nose *d* the latter falls into the notch and the chair is thus secured by means of the shoulders D D of the nose *d* resting on the edge of the slot H. As the back of the chair is tilted farther forward the dog travels along the notches successively, and the chair may be secured by allowing the nose *d* to rest in any one of the slots. When the reclining part of the chair is to be brought to its normal position, the nose of the dog B is made to fall into the slot C by a forward tilt of the chair and allowed to travel backward into the mortise G.

While our invention is particularly fitted for pieces of furniture, as above mentioned, it will be obvious that our securing device may be employed in other connections without departing from the scope of our invention.

Having now described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In combination, the chair-frame, the chair-back the notched plate on the frame and the pivoted dog on the chair-back, the said notched plate having a slot extending alongside of the notches with its ends extending into line with the said notches, the said groove communicating with an enlarged mortise at one end, the said plate being arranged with the groove and notches extending in a horizontal plane, substantially as described.

2. In combination, the chair-frame, the chair-back, the notched plate on the frame, and the pivoted dog on the chair-back, the said notched plate having a slot extending alongside of the notches and having its ends extending into line with the said notches, substantially as described.

In witness whereof we have hereunto set our hands in presence of two witnesses.

WILLIAM JOHN BRAY.  
OREN ROSS BRYAN LEIDY.

Witnesses:

EDWARD RUHE,  
REUBEN J. BUTZ.