

R. P. BURKHARDT.

CHAIR.

No. 179,680.

Patented July 11, 1876.

Fig. 1.

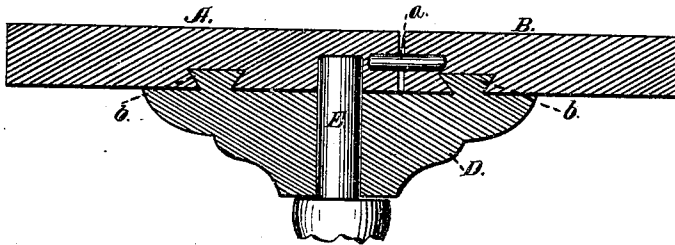


Fig. 2.

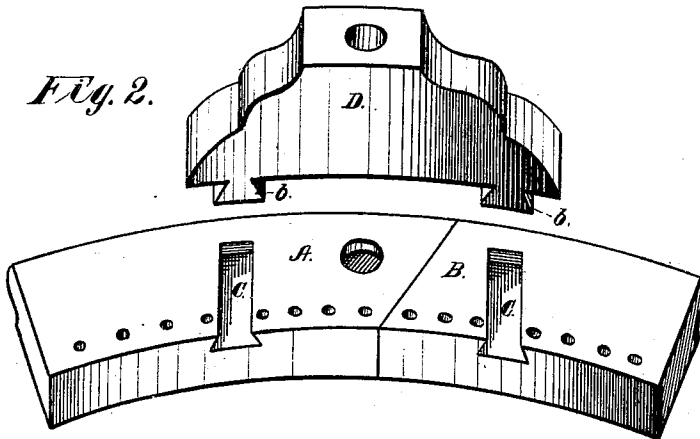
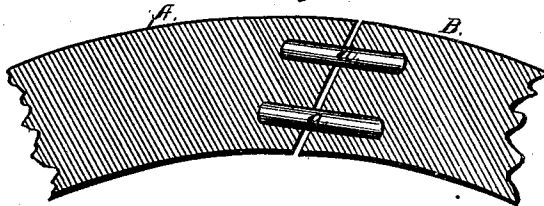


Fig. 3.



Witnesses:
Chas. M. Peck
Wm. Ritchie

Inventor;
Richard P. Burkhardt
by his Attys
Peck & Co.

UNITED STATES PATENT OFFICE.

RICHARD P. BURKHARDT, OF DAYTON, OHIO.

IMPROVEMENT IN CHAIRS.

Specification forming part of Letters Patent No. **179,680**, dated July 11, 1876; application filed June 17, 1876.

To all whom it may concern:

Be it known that I, RICHARD P. BURKHARDT, of Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Chairs; and I do hereby declare the following to be a full, clear, and exact description of the same.

This invention relates particularly to that class of chairs known as cottage or round-seat chairs, in which the seat-frame is composed of four sawed arc-pieces or segments, with their ends abutting; and my object is to effect the more secure junction of the legs with the seat-frame at a point where it is most liable to break asunder.

My improvement consists in forming transverse dovetailed mortises on the under side of the seat-frame, and on each side of the joint, to the end that a cleat (through which the leg-tenon passes, having dovetailed tongues upon its top face to fit into the mortises upon the seat-frame) may hold the abutting pieces of the frame tightly together without even the aid of glue, all as will be herewith set forth.

To enable others skilled in the art to which my invention appertains to make and use it, I would thus proceed to describe the same, referring to the accompanying drawing, in which—

Figure 1 is a sectional view of parts of the seat-frame at the joint, showing the application of my invention. Fig. 2 is a perspective view, showing a corner of the seat-frame inverted, and with the cleat just above it. Fig. 3 is a sectional plan view, showing the application of the dowel-pins.

Corresponding letters of reference indicate like parts in all the figures.

A B represent the contiguous ends of the seat-frame, having each upon its under side a transverse dovetailed mortise, C. These mortises are parallel, and are equally distant from the aperture in which the leg-tenon fits, which aperture is a little to one side of the joint. Dowel-pins *a*, Fig. 3, unite the abutting ends of the seat-frame, and may, or may not, be glued into place.

D is a cleat or brace, of the shape represented, having on its top face two dovetailed tongues, *b*, which fit snugly into the mortises in the frame. The leg-tenon E passes through this cleat into the seat-frame, as seen in Fig. 1.

It will be readily understood that this mode of uniting the parts forms, without even the aid of glue, a secure fastening, for the dovetailed tongues upon the cleat firmly hold the abutting ends of the frame together, and the leg-tenon, passing through the cleat into the frame, prevents the removal of the cleat from the frame. Thus a self-locking device is formed, which combines in itself strength and simplicity.

I am aware that it is not new to secure a cleat through which the leg-tenon passes to the under side of the seat-frame by means of screws, glue, or dowel-pins, or even by a longitudinal tongue upon the cleat, fitting into a corresponding mortise in the frame; but such means of fastening are all more or less insecure, and soon-break asunder.

My device, on the contrary, does not depend on dowel-pins or other extraneous devices, but the parts are themselves interlocked to accomplish the purpose.

Having thus fully described my invention, I claim as new—

The combination of the cleat D, having on its top surface the parallel dovetailed tongues *b*, with the seat-frame A B, having its abutting ends united by dowel-pins, and having on its under side the transverse and parallel dovetailed mortises C, in which the tongues *b* fit, and the leg, whose tenon E passes through the cleat into the frame to interlock the parts, substantially as and for the purpose specified.

Witness my hand this 13th day of June, A. D. 1876.

RICHARD P. BURKHARDT.

Witnesses:

CHAS. M. PECK,
WM. RITCHIE.