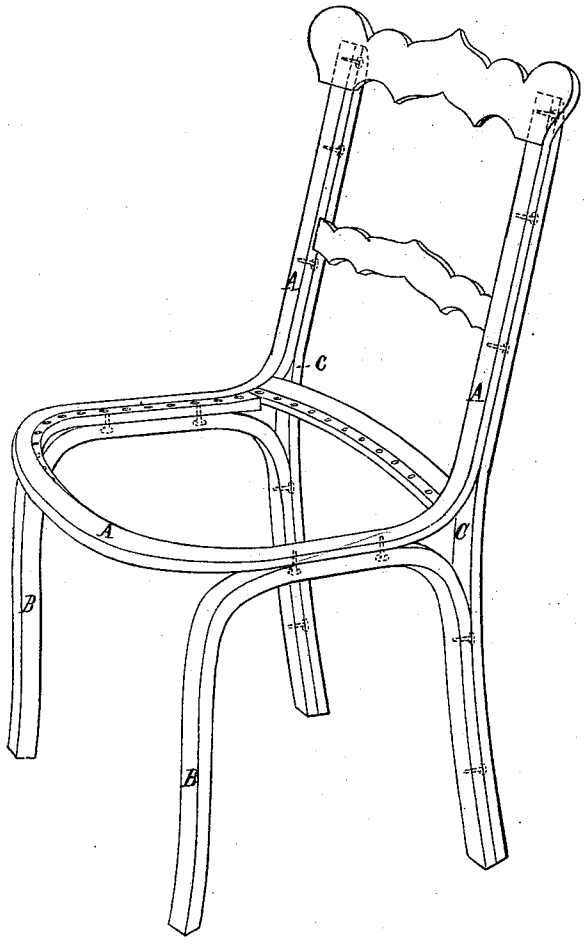
W. M. Smith,

Chair Frame.

No. 110,598. Patented Dec. 27, 1870.



Witnesses.
Chas. Kenyon
Villette Anderson

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United States Patent Office.

WILLIAM MERION SMITH, OF COLUMBUS, OHIO.

Letters Patent No. 110,598, dated December 27, 1870.

IMPROVEMENT IN CHAIR-FRAMES.

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, WILLIAM MERION SMITH, of the city of Columbus, in the county of Franklin and State of Ohio, have invented a new and valuable Improvement in Chair-Frames; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a perspective view of my invention.

My invention has relation to chair-frames; and

It consists in the construction of a strong and durable chair-frame, by the combination of certain strips of bent wood in such a manner that they shall reinforce each other, as hereinafter described.

The letter A of the drawing represents a strip of wood having its grain running parallel to the surface, which, after being properly steamed, is bent into the requisite shape to form the two back posts, the side rails, and the front rail of the seat frame.

The ends of this bent piece of wood, which form the back posts, are connected at their upper, middle, and lower portions, respectively, by the top slat, middle slat, and back rail.

B B represent pieces of wood, similarly steamed, and bent into shape to form the front and rear legs of the chair.

Each piece forms a front and rear leg, and extends along under the side rail of the chair-seat frame, to which it may be attached by screws or in any other suitable manner.

C C designate strips of straight-grained wood, bent to suit the curves of the rear faces of the back-posts and of the rear legs.

Each strip C is fastened securely by screws and glue, or in any other suitable manner, to the leg and back-post, on the same side of the chair-frame, connecting the two, strengthening them, and serving as an efficient brace to keep them in position; and in this connection it may be observed that the back posts and rear legs of a chair-frame are usually subjected to greater strain than the other portions.

Claims.

1. The strip A of bent wood, forming the back posts and the front and side rails of the seat, as specified.

2. In combination, the strip A, the strips B B, and the bracing and strengthening strips C C, substantially as specified.

3. In combination with the back posts and seats of a chair-frame, as described, the bent bars B B and the bracing and strengthening strips C C, substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

WM. MERION SMITH.

Witnesses:
JAS. HALL,
W. C. STEWART.