

E. L. Buckingham,

Chair Bottom,

No 82,081

Patented Sept. 15, 1868.

Fig. 1.

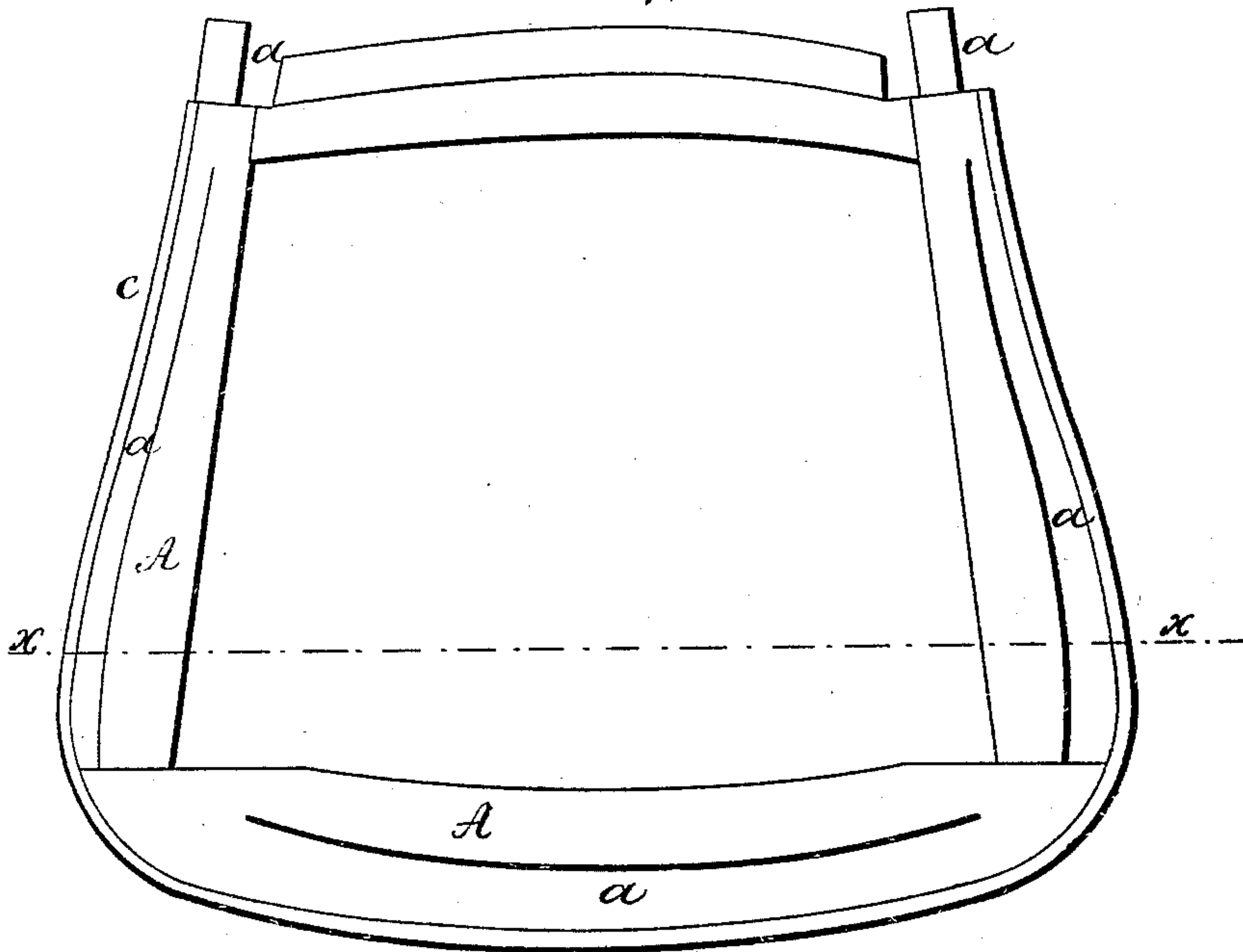
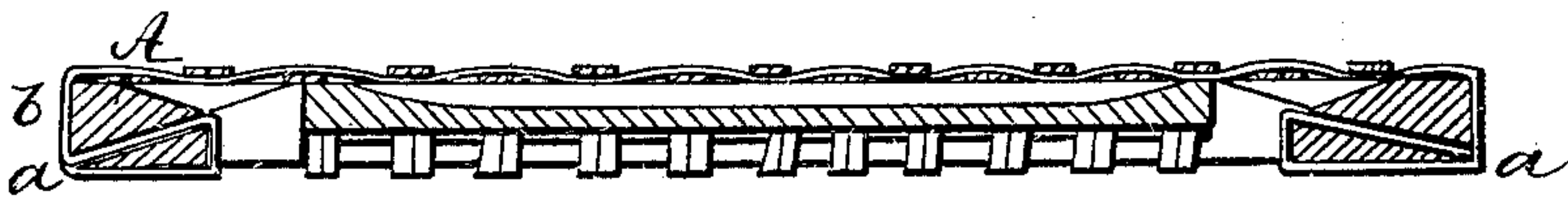


Fig. 2.



Witnesses;
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UNITED STATES PATENT OFFICE.

E. L. BUCKINGHAM, OF JEFFERSON, WISCONSIN.

IMPROVED CHAIR-SEAT.

Specification forming part of Letters Patent No. 82,081, dated September 15, 1868.

To all whom it may concern:

Be it known that I, E. L. BUCKINGHAM, of Jefferson, in the county of Jefferson and State of Wisconsin, have invented a new and useful Improvement in the Construction of Chair-Seats; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The nature of my invention relates to improvements in chair-seats made of woven splints, reeds, or other similar articles, the object of which is to cheapen the cost and render them more durable.

It consists in a method of fastening the reed or splint to the frame of the seat, by providing oblique slots through the rails from about the center of the inner edge downward and outward, terminating in the bottom face of the rails, near the outer edge, and in passing the strips of which the bottom is to be woven through the said slots, instead of through vertical holes, as heretofore.

Figure 1 represents a bottom-plan view of my improved chair-seat, and Fig. 2 represents a section on the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

A represents the rails of the chair-seat, and *a* the outer termination of the slots in the lower face of the said rails. *b* represents the material of which the bottom is woven, which is wound over the top, and down on the outside and through the slots, from the outer to the inner opening, thence under the rail, and over again at the top.

The slots may be made by first boring a hole in them in the proper place to insert a saw, or by any other means. A strip, *C*, of

wood or other elastic suitable material, may be bound around the edge or secured over the strips of which the bottom is composed, in any suitable manner, for protecting the said woven material.

I have found chair-bottoms secured to the rails in the above-described improved manner to last very much longer than when the reeds are woven through vertical holes bored through the rails, as they wear off very soon, or are cut by the sharp angle which they turn from the top downward through the said holes, the entire strain of the weight of the occupant of the chair coming directly on the said angle, whereas in my improved method the friction of the webbing around the outer edges greatly relieves the strain around the angles of the rail, and prevents any movement of the webbing on those angles, whereby great wear is caused to the webbing in the old method of fastening. The tendency to a wearing motion in my improved seat is greatly relieved also by the outer strip *C*.

I am enabled, by my improved method, to supply the market with chair-bottoms of a much better quality than those heretofore made, without increase of expense.

I claim as new and desire to secure by Letters Patent—

The strips *b*, composing the chair-bottom, secured in the rails *A* by being passed over and under said rails, the ends being inserted in oblique slots *a*, and there retained by the strip *C*, applied to the outer edge of the rails *A*, all substantially as herein shown and described.

E. L. BUCKINGHAM.

Witnesses:

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