

(No Model.)

C. SINGER.
CHAIR BOTTOM.

No. 522,089.

Patented June 26, 1894.

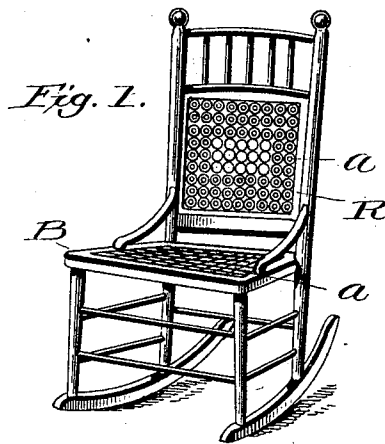


Fig. 2.

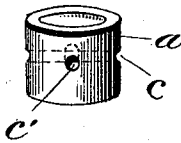


Fig. 3.

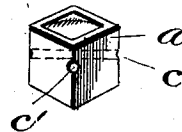


Fig. 4.

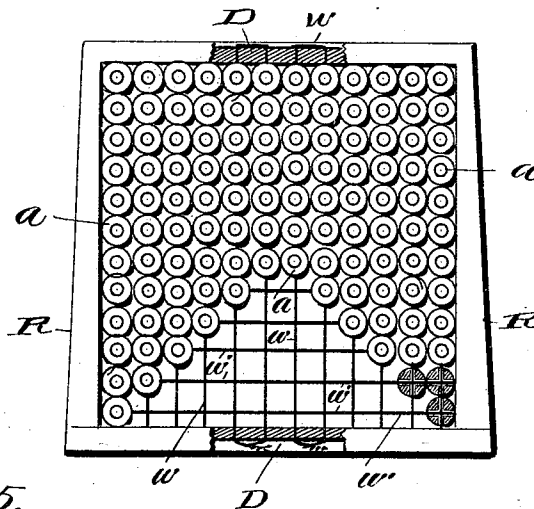


Fig. 5.

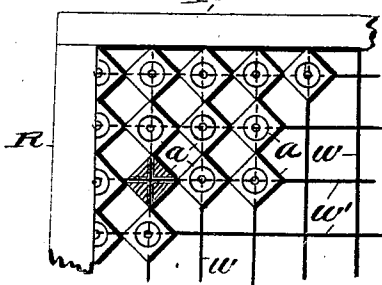


Fig. 6.

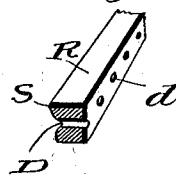


Fig. 7.

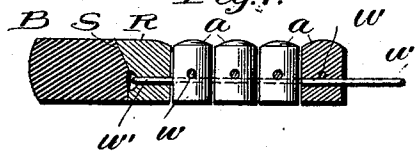
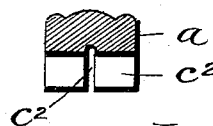


Fig. 8.



Witnesses:

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CHARLES SINGER, OF WICHITA, KANSAS.

CHAIR-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 522,089, dated June 26, 1894.

Application filed October 21, 1890. Serial No. 368,791. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SINGER, a citizen of the United States of America, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented certain new and useful Improvements in Chair Bottoms or Backs, of which the following is a specification, reference being had therein to the accompanying drawings and the letters of reference thereon, forming a part of this specification, in which—

Figure 1, represents a chair having its bottom and back portions provided with my improved construction of chair bottom material. Figs. 2 and 3, are perspective views of the buttons or blocks used in the construction of a chair bottom or back, showing different forms of construction. Figs. 4 and 5 are plan views of the chair bottoms, showing different arrangement of wires for supporting the buttons or blocks. Fig. 6 is a detailed perspective of a section of a frame bar of the bottom. Fig. 7 is a cross-sectional view of one bar of the bottom frame, and of a chair bottom rail, also a similar view of one bottom button, and a side view of other buttons supported by cross-wires, and Fig. 8 is a view of a button having slots instead of holes for the reception of wires.

This invention relates to certain improvements in the construction of chair bottoms and backs, and consists essentially in arranging a series of cross-wires, supported by a frame, and a series of buttons or blocks supported by said wires, in such manner as to present a seating surface composed of the buttons or blocks, which improvements are fully set forth and explained in the following specification and claims.

Referring to the drawings R represents the seat or back frame, consisting of four bars suitably joined at the corners, or constructed in any suitable manner, and is provided with a series of holes *d* passing horizontally through the frame bars and so arranged that the holes of one bar will be opposite those of the opposite bar, and all on substantially the same plane, and is further provided with channels D at the outer terminal of said holes, and with an extending beveled portion or lip S at the upper outer part which forms a means of sup-

port to the frame when placed within the side rails B of the bottom or back of a chair as shown in Fig. 7. I have illustrated the frame R as independent from the chair, but however the chair bottom frame B may be constructed as is frame R and thereby require but the single frame.

W and W' represent the cross wires of the bottom, the former passing at right angles from the latter, and each arranged in their respective holes *d* of the frame R and their outer connecting portions rest in the channels D of the frame, and should their end portions be connected by being twisted together such twisted portion is likewise laid into the said channels, thereby not obstructing the frame sides.

a represents the buttons or blocks of the bottom, and may be of any suitable form or material, and plain or ornamental, and are provided with two cross holes C and C' arranged at right angles to and one above the other and are arranged, in the construction of a chair bottom or back, with the cross wires W W' passing respectively through them at right angles with the junction or cross of the wires centrally within them, and with a button or block at each cross or junction of the wires as shown in Fig. 4, and the distance apart of the wires is such that the buttons or blocks meet their fellow buttons or blocks on four sides or parts, thus covering the wires from view and presenting a strong, flexible and ventilated bottom or back.

In Fig. 5, the buttons or blocks are represented as square, but otherwise they are constructed and supported in like manner.

In each of the slightly varied constructions or arrangement of cross wires the result is the same and the bottom or back presents substantially the same appearance, and in each instance the buttons are supported jointly by the cross wires of the frame.

In Fig. 8 I have shown the button as provided with slots C², C², in place of the holes C, C', represented in Fig. 2, for the reception of the wires W, W' and when the buttons are thus slotted the wires may first be stretched across the frame R to form the checks as shown in part in Fig. 4 and the buttons seated upon the wires by placing them with the wires

in their slots, with a button at each junction or cross of the wires.

Having thus described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is as follows:

1. A chair bottom or back consisting of a frame, a series of wires supported by and crossing the frame at right angles to each other, and of a series of buttons or blocks respectively provided with passages through their body through the greatest diameters thereof at right angles to and one above the other, and supported, to form the seating surface of the bottom or reclining surface of the back, by passing the said wires through said holes in the manner, substantially as set forth.

2. A chair bottom or back consisting of a frame provided with a series of horizontal

holes through the bars thereof, with a channel between the outer terminal of said holes and with an overreaching lip or shoulder at the upper outer margin, of a series of wires arranged through said frame holes and passing from one hole to another in said channel and crossing the space within the frame, and of a series of buttons or blocks respectively provided with holes through their body one hole at an angle to and arranged above the other hole, and supported by means of said wires passing through said holes in the manner substantially as and for the purpose set forth.

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