J. F. McCLAIN.

Chair.

No. 223,156. Patented Dec. 30, 1879.

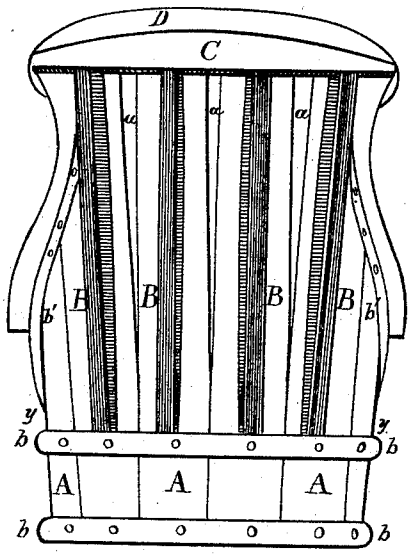


Fig. 1.

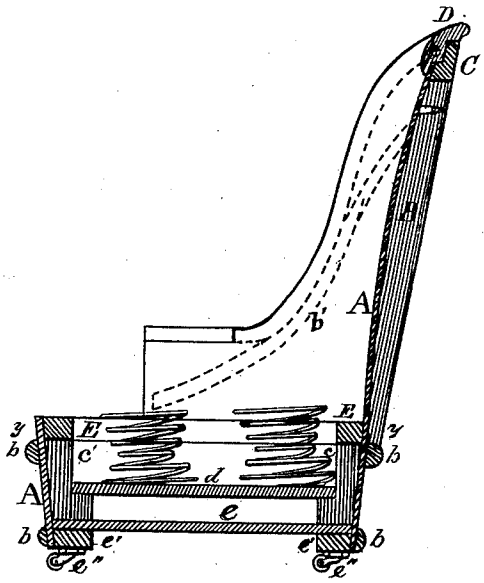


Fig. 2.

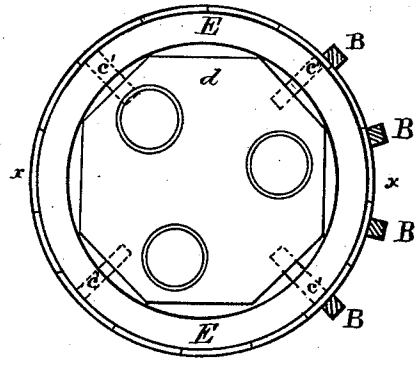


Fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

JOHN F. McCLAIN, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN CHAIRS.

Specification forming part of Letters Patent No. **223,156**, dated December 30, 1879; application filed June 10, 1879.

To all whom it may concern:

Be it known that I, JOHN F. McCLAIN, of Washington, in the county of Washington and District of Columbia, have invented certain Improvements in Chairs, of which the following is a specification.

This invention relates to improvements in the construction of that class of chairs in which barrels are used to form the frame; and it consists in the peculiar method of bracing the staves and securing the seat, all of which will be hereinafter more fully described, and set forth in the claims.

Figure 1 is a rear view of the chair, showing the braces for securing the back. Fig. 2 is a vertical section on *x x*, Fig. 3; and Fig. 3 is a view of the bottom on a horizontal section on *y y* of Figs. 1 and 2.

A A represent the staves of an ordinary barrel, having the two bottom hoops, *b b*, fastened securely by nails or screws to each stave. B B are braces extending from the second hoop, *b*, to the top rail, C, which has a recess, *c*, formed on its concave or inner side, in which the cushion D is inserted and secured. E is a circular curb-piece which forms the frame for the seat, and is made somewhat larger in diameter than that of the inside of the barrel, and is forced down to its position, so as to make the staves well braced against the back braces, B B, and hoops *b b*. *a a a* are spaces between the back staves, A A, caused by spreading the staves to give to them the proper curve to form the back of the chair; and by shaving off the face of the staves any desired curve may be given, and by adapting the curve of the braces B B B, and fastening the staves to the top rail, C, the proper curvature or spring of the back will be maintained. *b b* are the bottom hoops. *b′ b′* are short pieces of hoop, fastened to the staves immediately under the arm-slopes, to maintain the staves on each side and stiffen the arms. *c′ c′ c′ c′* are cleats, placed vertically inside of the staves, to support the curb E, having a step on each to support the spring-board *d*. *e* is the lower head of the barrel, on which are fastened four blocks, *e′ e′*, to sustain the casters *e″ e″*. On the bottom *d* may be secured any number of coiled springs to support the seat of the chair.

The whole is to be properly upholstered in any desirable style to suit the taste, and the shape of the back may be made of any form to suit convenience and taste.

Instead of the casters rockers may be adapted to the bottom board, *d*, to form a rocking-chair.

I claim—

1. In a chair the frame of which is formed from a barrel, the combination of the back staves, sprung apart as described, braces B, and top rail, C, for the purpose set forth.

2. In a chair the frame of which is formed from a barrel, the combination of the staves, braces B, top rail, C, and curb E, for the purpose set forth.

JOHN F. McCLAIN.

Witnesses:

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