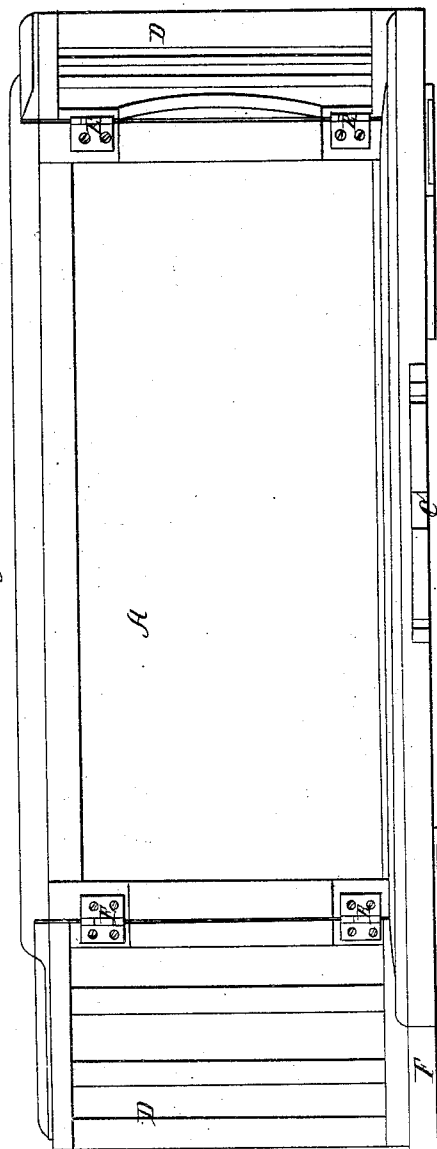


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UNITED STATES PATENT OFFICE.

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IMPROVED SOFA.

Specification forming part of Letters Patent No. **46,014**, dated January 24, 1865.

To all whom it may concern:

Be it known that I, J. W. MOYER, of Cherry Valley, in the county of Otsego and State of New York, have invented a new and useful Improvement in Sofas; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a back or rear elevation of my invention; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention consists in having the ends of the sofa attached to the bottom or seat by means of hinges or joints, and having said ends constructed and arranged in such a manner that they may be adjusted and secured in an upright or nearly upright position, like the permanent ends of an ordinary sofa, or be capable of being adjusted and secured in a horizontal or a more or less inclined position, so that the sofa may be converted into either a right or left lounge with one end more or less inclined, as desired.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the seat of the sofa; B, the feet, and C the back. These parts may be of the usual sofa form.

D D represent the ends or end pieces of the sofa, which may also be of the ordinary form, but instead of being permanently attached to the ends of the sofa, as usual, have their lower ends attached to the ends of the seat A by means of hinges E, as shown clearly in Fig. 2.

To the backs of the ends or end pieces, D D, there are attached sector-shaped plates or boards F, which are fitted and work freely in corresponding shaped recesses, *a*, in the rear of the back C of the sofa, and the curved edges of these recesses *a* are grooved, as shown at *a'*, to receive a lip, *b*, attached to the curved edges of the plates or boards F. By this arrangement the end pieces, D D, are rendered capable of being adjusted in an upright or nearly an upright position, like the permanent ones of an ordinary sofa, and also rendered capable of being turned down to a horizontal or to a more or less inclined position, as may be desired.

The sector-shaped plates or boards F serve as extensions for the back C when the end

pieces, D, are inclined more or less downward, and the lips *b*, fitting in the grooves *a'*, serve as guides for the end pieces.

The end pieces, D, are retained at any desired point within the scope of their movement by means of pawls G and segment racks H. The racks H have ratchet-shaped teeth I, and are attached to the outer sides of the sector-shaped plates or boards F, near their curved edges, as shown in Fig. 1, and the pawls G are attached to the rear side of the back C, just above the racks H, each pawl having a spring, *c*, bearing against it to keep them engaged with the racks, as shown clearly in Fig. 1.

In order to let down the end pieces, D D, the pawls G are raised free from the racks, and when the end pieces are adjusted in the desired position the pawls are allowed to engage with the racks. By this means it will be seen that the end pieces, D, may both be adjusted in an upright, horizontal, or inclined position, and either a sofa or a right or left lounge obtained, the sofa being converted into a lounge by adjusting one of the end pieces in a horizontal position, and the other end piece being left upright or adjusted more or less inclined, as desired.

I would remark that this invention is applicable to lounges as well as sofas. In the former case one end piece is used, instead of two.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, as an improved article of manufacture, is—

1. A sofa or lounge constructed substantially as described—that is to say, with adjustable end pieces, D D, provided with sector-shaped supports F F and a locking arrangement consisting of a pawl, G, and ratchet H, so that the supporting-sector shall at all times form a brace for the back and hinges, and shall form a continuous back and finish when the ends D D are vibrated from their most erect position.

2. Making the end finish on the outside of the front of the seat-frame so as to cover the joint of vibration of the end pieces, a portion of the front of the latter vibrating immediately within side of the end finish.

J. W. MOYER.

Witnesses:

CHAS. MCLEAN,
A. G. TUTHILL.