

S. Hayward,
Rocking Chair.

No. 110,653.

Patented Jan. 3, 1871.

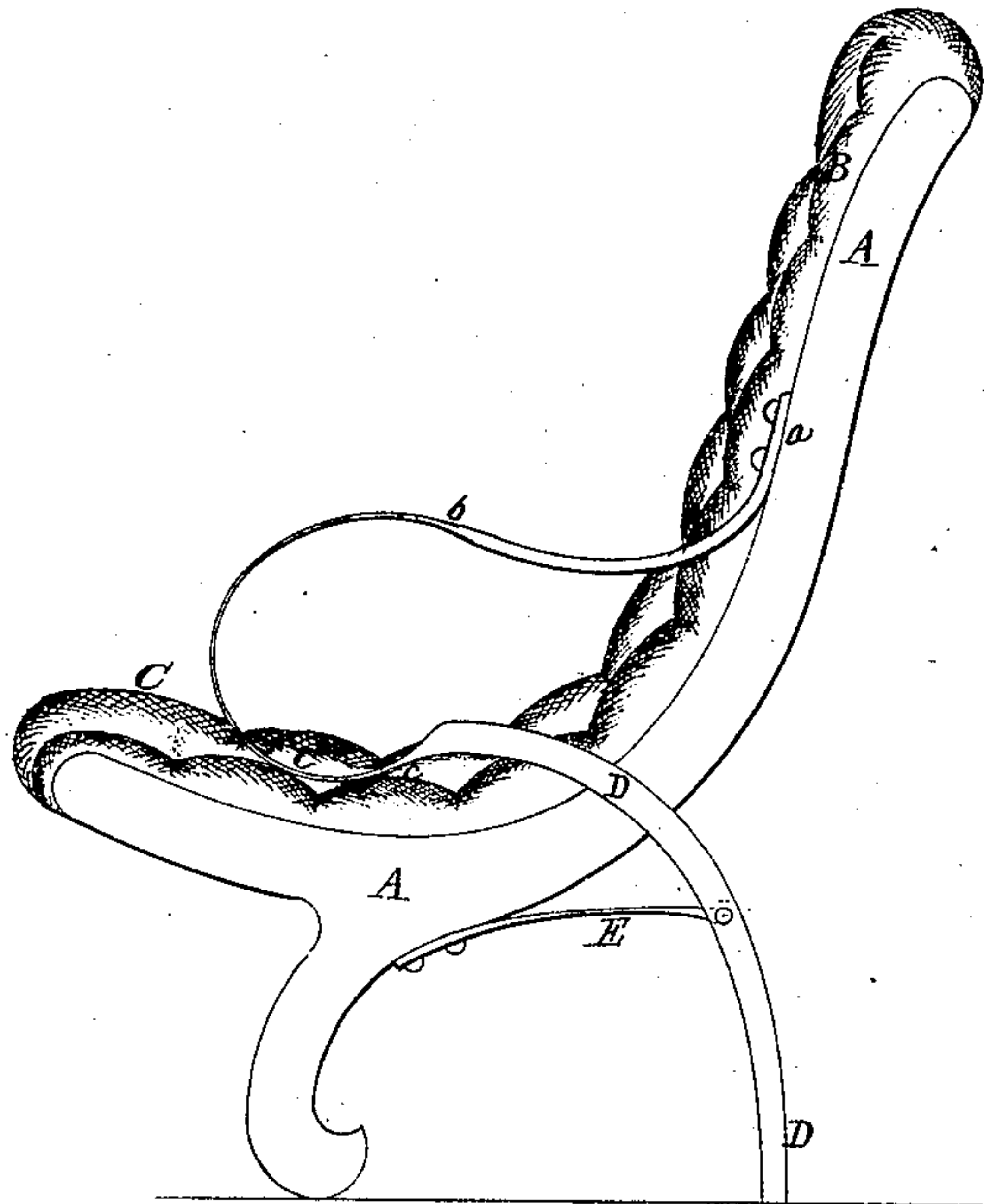


Fig. 1.

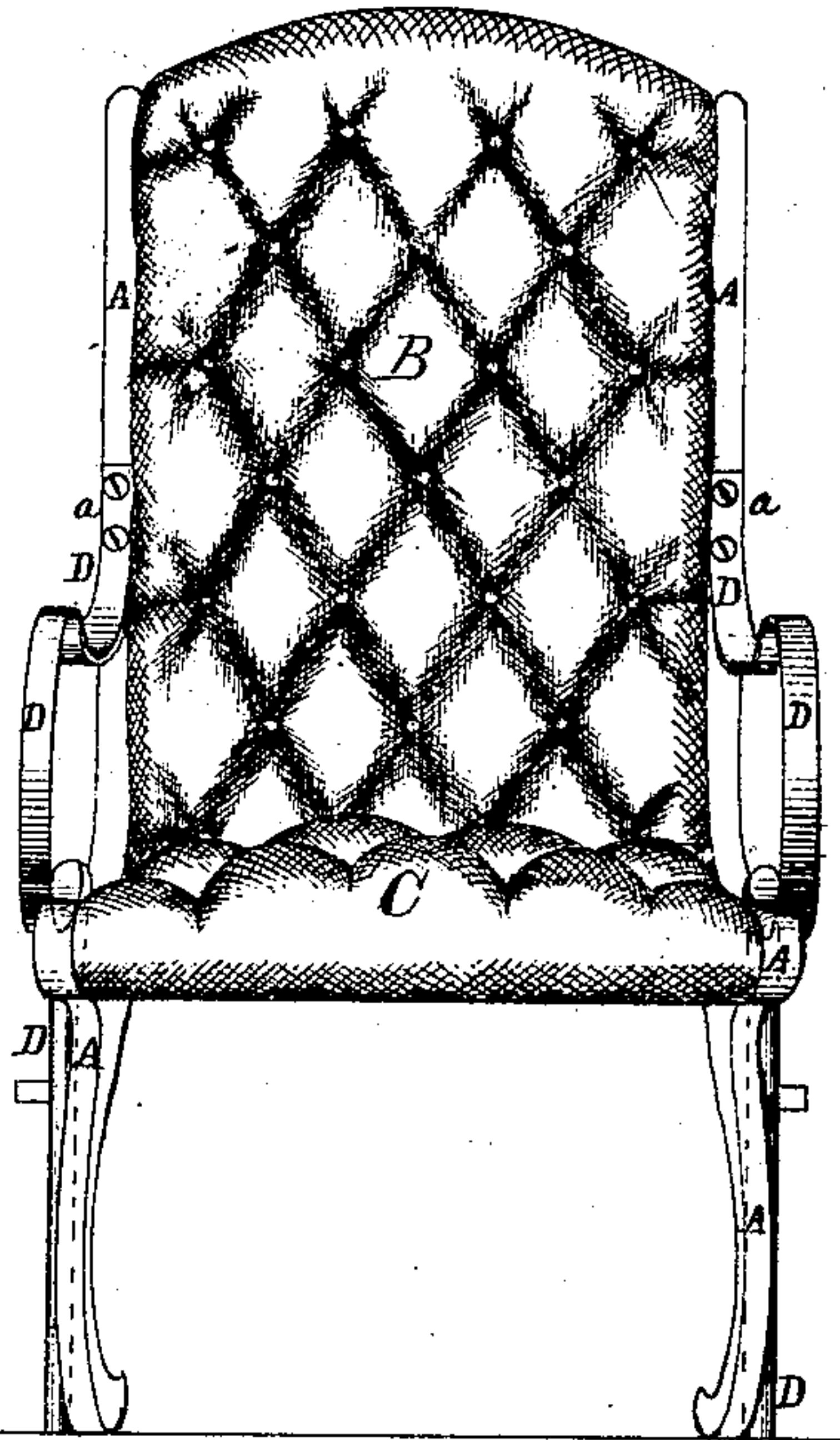


Fig. 2.

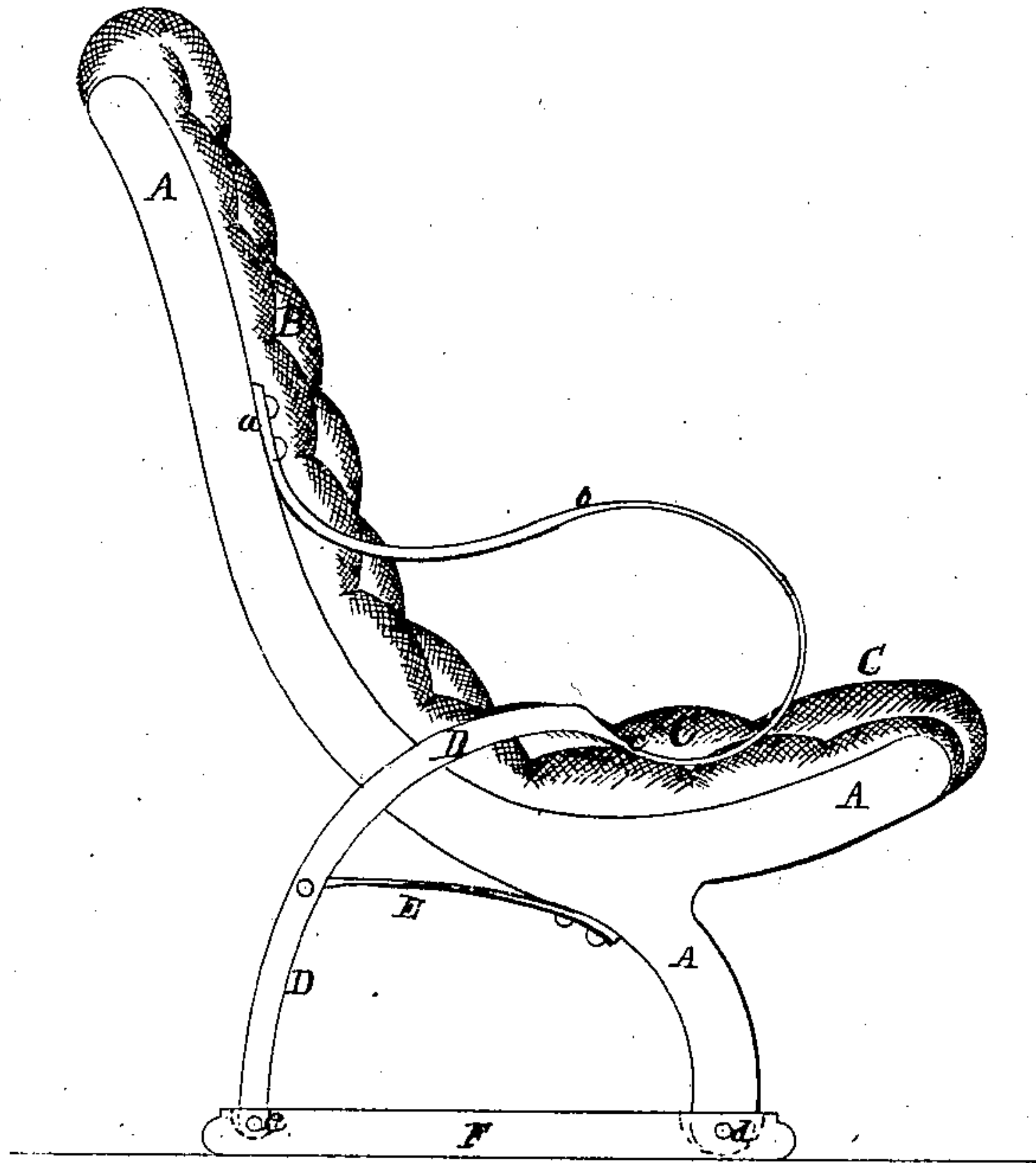


Fig. 3.

Witnesses.
N. C. Lombard,
Sen. & C. Kimball

Inventor.
Samuel Hayward.

UNITED STATES PATENT OFFICE.

SAMUEL HAYWARD, OF BOSTON, ASSIGNOR TO HIMSELF, AND LUTHER E. KIMBALL, OF CAMBRIDGEPORT, MASSACHUSETTS.

IMPROVEMENT IN RECLINING AND ROCKING CHAIRS.

Specification forming part of Letters Patent No. **110,653**, dated January 3, 1871.

To all whom it may concern:

Be it known that I, SAMUEL HAYWARD, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Reclining and Rocking Chairs, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to a peculiar construction of the frame of the chair, by which it is made available as a reclining-chair or as a rocking-chair, without the employment of the objectionable curved "rockers" in common use on the bottoms of rocking-chairs; and it consists in so constructing the frame of the chair that the back, seat, and front legs of the chair shall be rigidly connected, and attaching thereto in a peculiar manner the back, leg, and arm of the chair, made from one piece of metal, and so formed and shaped as that when secured to the back of the chair it shall serve as a leg and arm, the arm being so constructed as to serve as a spring, the contraction and expansion of which will permit the back and seat of the chair to rock back and forth as the body of the person seated therein is moved backward and forward, the frame of the chair pivoting upon the bottom of the front leg.

It also consists in the application of a secondary spring, connecting the body of the chair to the back leg, which also serves as a tie to hold the back leg in its proper position, as will be described. Instead of said spring, a shoe connecting the front and rear legs may be used.

In the drawings, Figure 1 is a side elevation of a chair embodying my improvements. Fig. 2 is a front elevation of the same, and Fig. 3 is a side elevation illustrating a modification.

In the drawings, A A are the side frames of the chair, connected together in any suitable manner, and so shaped as to form the sides of the back and seat, and also to serve as the front legs of the chair. B is the upholstery of the back, and C the seat. D is the back

leg, made of metal, and extending upward, forward, and backward, forming a double-reversed curve, the upper curved portion forming the arm of the chair, and being secured to the side frame, A, at *a* by means of screws or any other suitable means. A portion of the arm from *b* to *c* is reduced in thickness, so as to form a spring, which will be contracted or expanded, according as the weight of the body is thrown back upon the rear leg or forward upon the front leg, thus giving an easy rocking motion to the body of the chair, the same pivoting upon the bottom of the front leg.

E is a tie for holding the back leg in its proper position in relation to the front leg, and also serves as a spring to assist in giving the rocking motion to the chair.

I contemplate in some cases connecting the lower ends of the front and back legs by means of a shoe, F, as shown in Fig. 3, the legs of the chair being so connected to said shoe that while the shoe remains stationary upon the floor the chair may be rocked or tilted, the body of the chair pivoting upon the pin *d*, and the rear leg upon the pin *e*, in a perfectly obvious manner.

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

1. A rocking or reclining chair constructed in such a manner that the back, front legs, and seat are rigidly connected together, when so arranged upon elastic back legs as to pivot upon the bottom of the front legs, substantially as described.

2. The leg and arm D of a chair, made in one piece, when the arm is so formed as to serve as a spring, substantially as described.

3. The spring-tie E, in combination with the leg and arm D, constructed and operating substantially as described.

Executed at Boston.

SAMUEL HAYWARD.

Witnesses:

N. C. LOMBARD,

LUTHER E. KIMBALL.