

(No Model.)

S. E. BLAKE.
ROCKING CHAIR.

No. 568,293.

Patented Sept. 22, 1896.

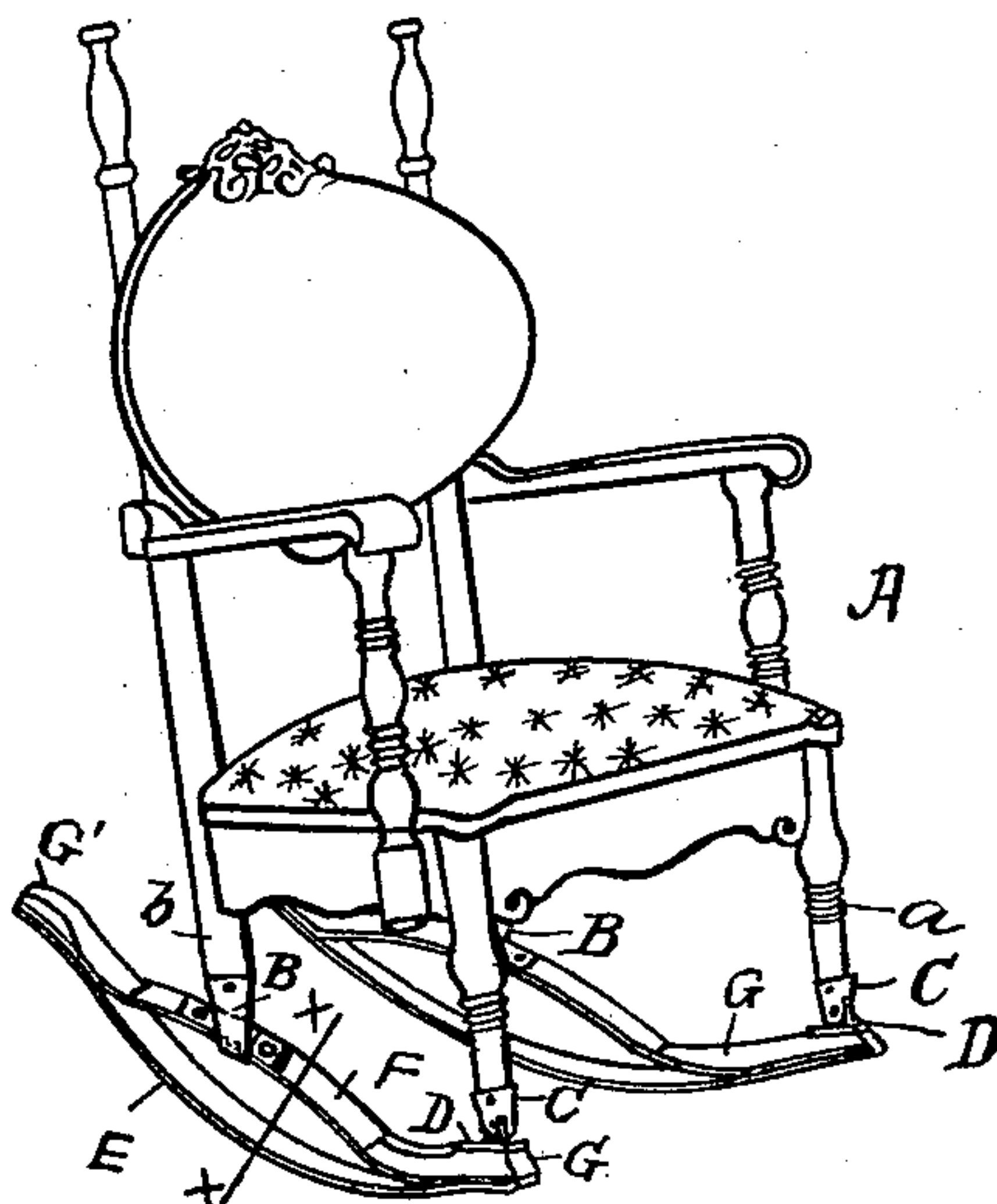


Fig 1.

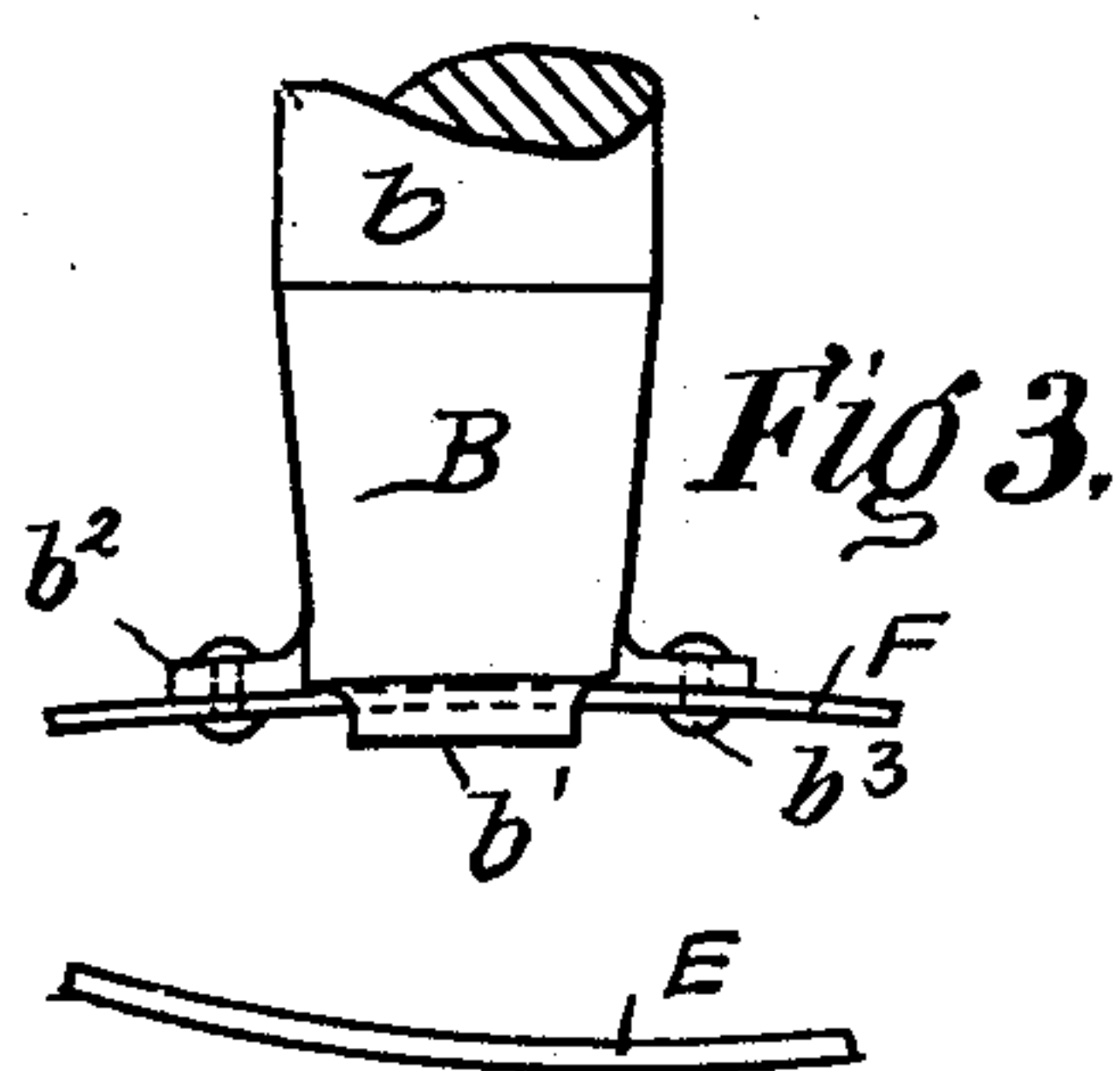


Fig 3.

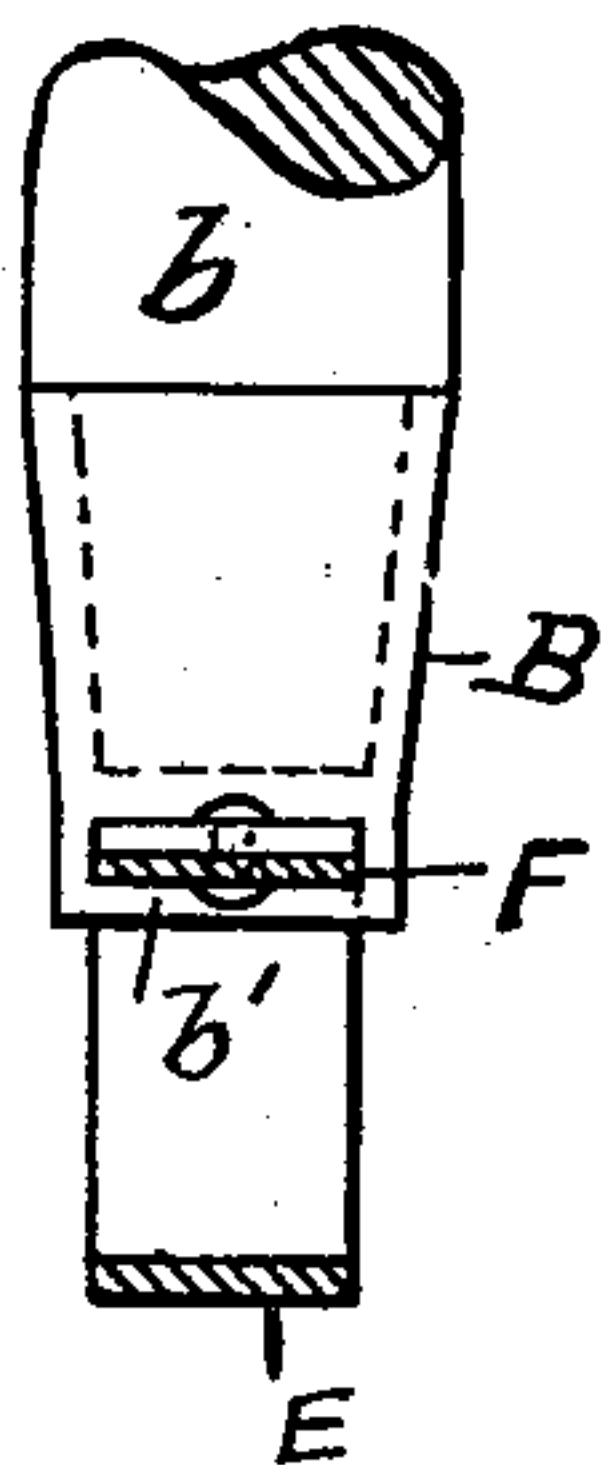


Fig 2.

Witnesses:
Charles Marier.
M. McDonald

Inventor:
Solomon E. Blake,
by Thurman & Sibius
Attorneys.

UNITED STATES PATENT OFFICE.

SOLOMON E. BLAKE, OF INDIANAPOLIS, INDIANA.

ROCKING-CHAIR.

SPECIFICATION forming part of Letters Patent No. 568,293, dated September 22, 1896.

Application filed January 25, 1896. Serial No. 576,797. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON E. BLAKE, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Rocking-Chairs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My present invention relates to that class of rocking-chairs in which springs are used to perform the functions of the usual rockers; and it consists of an improvement on my invention for which I have made application, Serial No. 557,689, the details and combination of parts being fully described hereinafter.

The object of my invention is to provide the most flexible and efficient spring-rockers and means by which they are secured to the legs of a chair.

A further object is to construct such a chair so as to be easy and comfortable in use and especially adapted for the use of invalids and elderly people.

Referring to the drawings, Figure 1 is a perspective view. Fig. 2 is an enlarged view of a rear leg at the bottom, showing socket and transverse sectional view of springs on the line X X. Fig. 3 is a side view of the bottom of a leg and portions of springs.

In the drawings, A designates a chair, the body of which may be made of any desirable design, having four supporting-legs *a b*.

C C are suitable sockets to receive the lower end of the forward legs *a* and are made of metal, having at the lower part of each a jaw and small transverse holes therethrough to receive a rivet.

B B are sockets suitably designed to receive the lower end of the rear legs *b b*, into which the legs are fitted.

D D are brackets secured to the forward ends of the rockers and are provided at their upper part with a blade having a transverse hole, the blade being inserted between the jaws of the socket and therein secured by a rivet. The ends G G' of the rockers are pref-

erably made of wood and are permanently secured to the top of the springs F E, the latter being also joined and secured together at or near their rear ends. The two parts C and D, connecting the forward legs with the rockers, are pivotally connected, so that the socket C, into which the forward leg is inserted, may vibrate slightly forward and backward to relieve the forward legs of strains as the rear legs rise and fall in rocking.

The two parts E F of the spring-rocker are made, preferably, of steel, the ends being secured together, so that the whole is elliptical in form. To provide for easy rocking and greater flexibility, the lower portion E is heavier than the upper portion F. The sockets B and C may be made of any suitable metal and ornamented or not, as desired. The socket B has through its lower end *b'* an opening for the reception of the upper part F of the spring, and extending beyond the opening forward and back of the socket are feet or flanges *b''* for the purpose of giving a greater bearing where the weight comes onto the spring. The under sides of the feet have a curved surface longitudinally on line with the top of the opening adjacent through the lower end of socket. Rivets *b'''* secure the feet to the spring F, the holes for which through the spring being sufficiently far apart and so small as to not affect the strength of the spring, and provides a more effective means of adjustment than when secured at a point immediately beneath the rear leg.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a spring rocking-chair having elliptical spring-rockers, in combination with the forward legs and rocking joint connecting said legs to the forward end of the rockers, a rigid connection between the rear legs and the upper part of said spring-rockers, said connection comprising a socket receiving the lower end of said legs, said socket having at its lower end a foot at the forward and rear side, and an opening below the bottom of said feet and between the same being approximately central below the leg for the reception of the upper portion of said spring, and means for securing the feet to the spring, as shown, substantially as and for the purposes set forth.

2. In a rocking-chair having flexible spring-rockers, the combination of the sockets C, C, attached to lower end of the front legs, said sockets having at the lower ends thereof a jaw and transverse hole for a rivet or bolt, the brackets D, D, having at their upper portions a blade inserted between the jaws of the sockets C and the transverse hole through which a rivet is secured forming a knuckle or vibratory joint between the leg and rocker; the sockets B, B, attached to lower end of the rear legs, said sockets having at their lower end feet b^2 , at the forward and rear; a longitudinal opening through the lower extended end b' for receiving the upper portion of the spring, said socket being secured to said spring by means of rivets b^3 , substantially as herein shown and for the purposes described and set forth.
3. The combination of the chair, the elliptical spring-rockers composed of the parts E and F joined near both ends and having the

piece G secured to the upper part of the forward end of each spring, said part E being heavier than the part F; the brackets D D secured to the top of the forward end of said rockers; the sockets C C secured to the forward legs a , said sockets being pivotally secured to said brackets; the sockets B B secured to the rear legs b , said sockets having the feet b^2 at the forward and rear, said feet being secured by means of rivets to said part F, and having the part b' extending below the bottom line of said feet, and having an opening through which said part F passes, all arranged and operating substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

SOLOMON E. BLAKE.

Witnesses:

JNO. S. THURMAN,
MARY McDONALD.