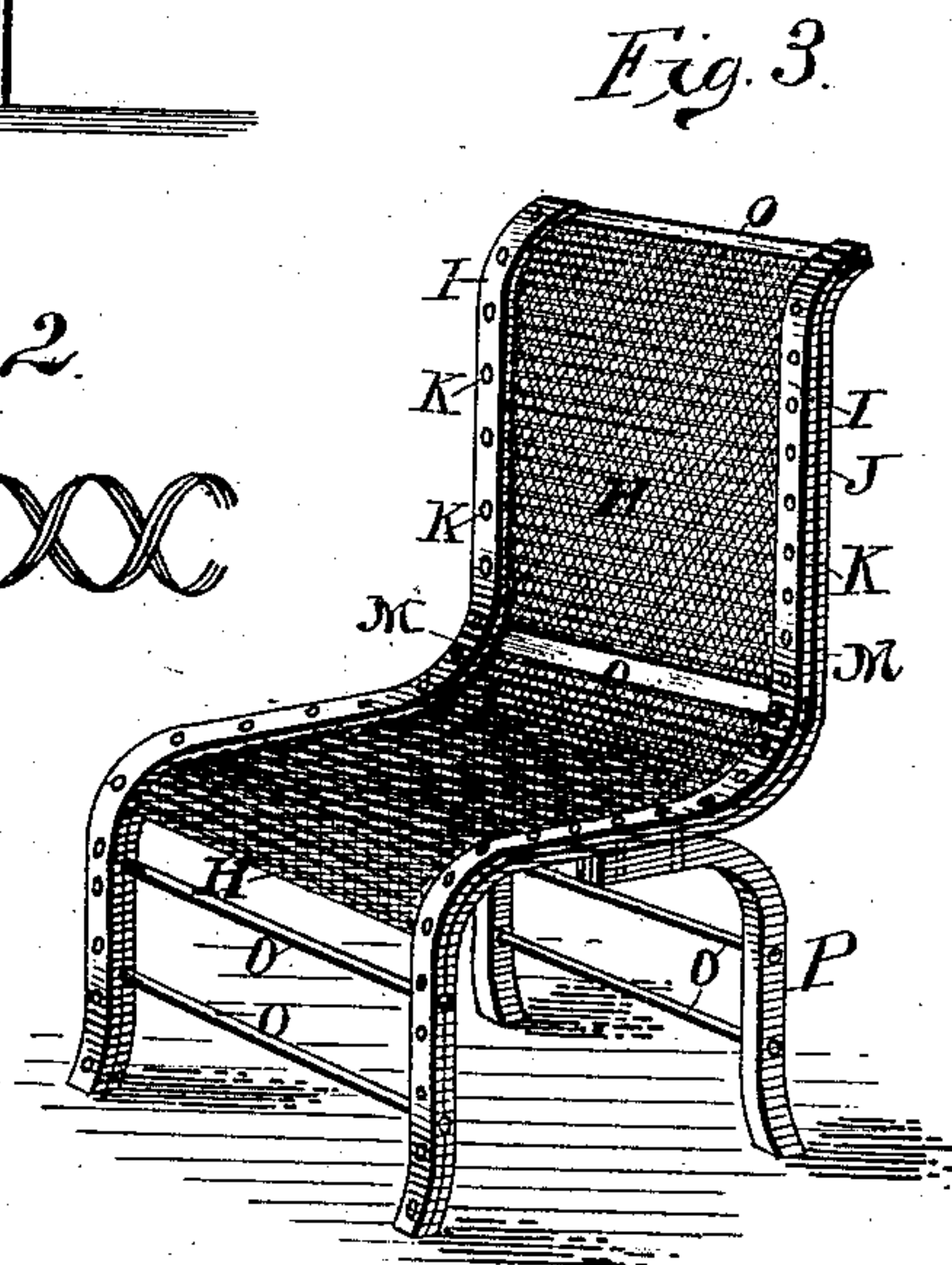
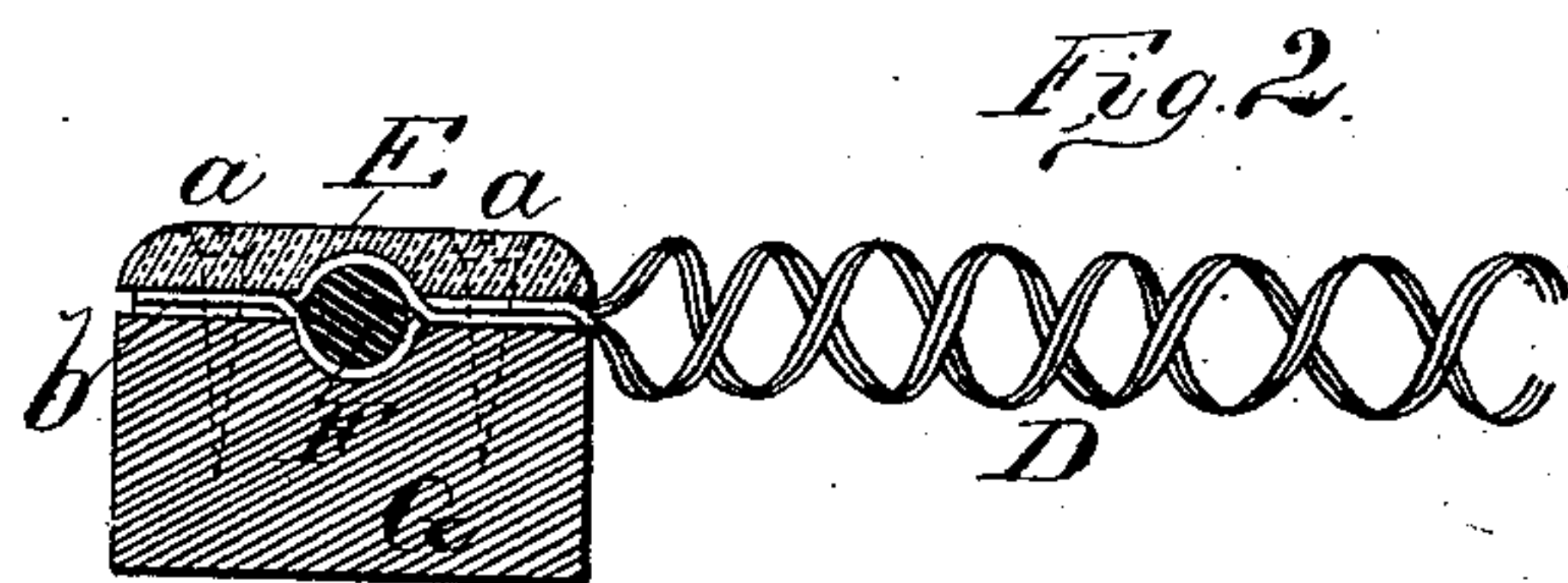
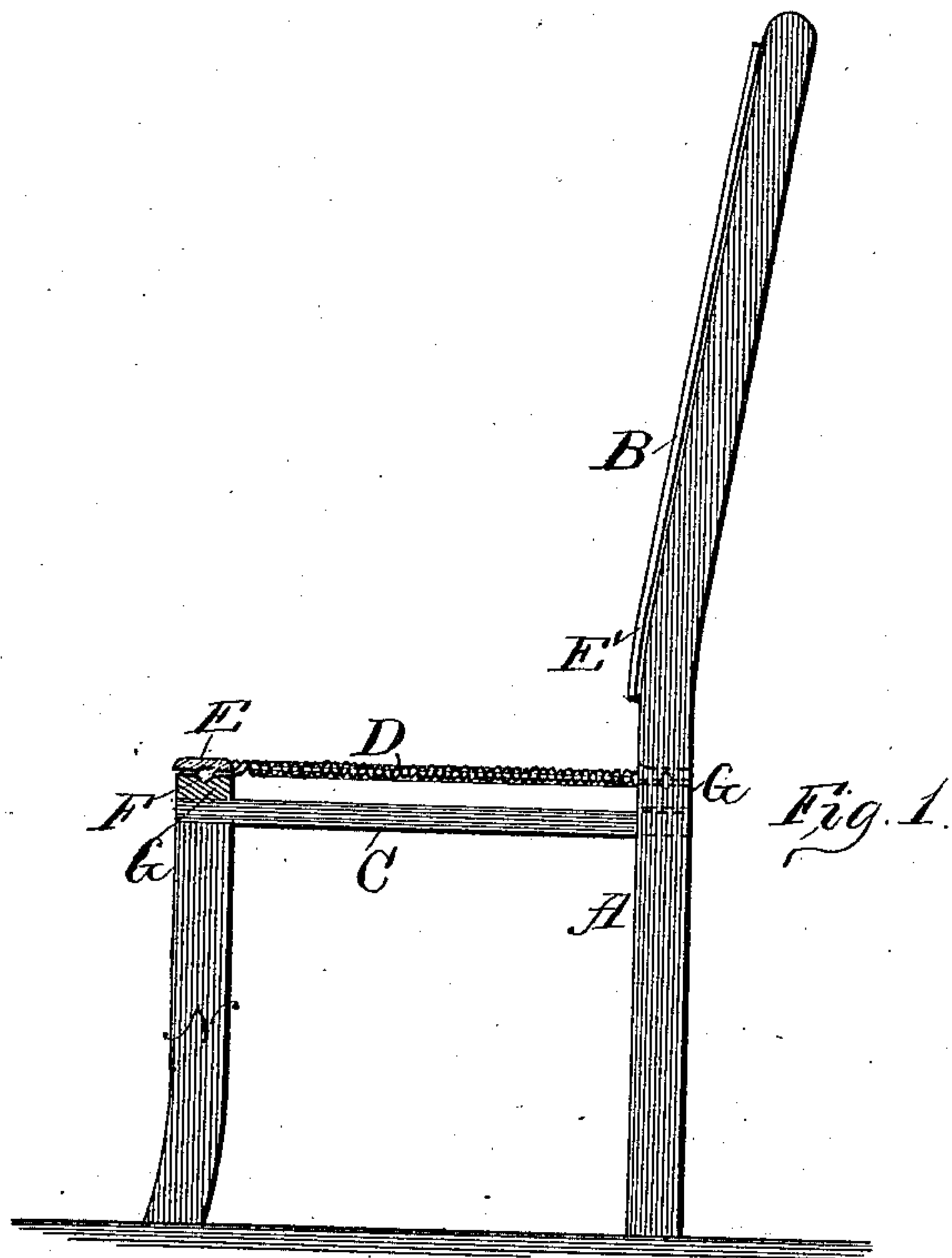


(No Model.)

J. GREEN.  
CHAIR.

No. 253,921

Patented Feb. 21, 1882.



Witnesses  
E. J. Conner  
F. H. West

Inventor:  
Joseph Green  
By Jas. B. Erwin  
Attorney.



# UNITED STATES PATENT OFFICE.

JOSEPH GREEN, OF WHITEWATER, WISCONSIN, ASSIGNOR TO JAMES OSCAR GREEN, OF SAME PLACE.

## CHAIR.

SPECIFICATION forming part of Letters Patent No. 253,921, dated February 21, 1882.

Application filed October 15, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH GREEN, a citizen of the United States, residing at Whitewater, in the county of Walworth and State of Wisconsin, have invented certain new and useful Improvements in Chairs and other Seats; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

The object of my invention is to provide, as a substitute for the ordinary materials used to form the backs and bottoms of seats, an elastic woven-wire fabric formed of series of spiral wire coils interwound or locked together.

My invention consists more especially in the peculiar manner of attaching the fabric to the frame of the seats, and in the general construction and adaptation of the seat-frame to such fabric, whereby said fabric may be tensely drawn and rigidly retained at the required tension.

My invention is further explained by reference to the accompanying drawings, in which Figure 1 represents a side view of a wooden chair-frame, showing the manner of applying the fabric thereto. Fig. 2 represents an enlarged view, in detail, showing the manner of attaching the fabric to a wooden frame. Fig. 3 represents a perspective view of a metallic chair-frame, showing the manner of arranging the fabric and attaching it thereto.

In Fig. 1 the fabric B, of which the back is formed, and the fabric D, of which the bottom is formed, are made in separate pieces. The fabric B is attached to the respective sides A, and the spiral coils extend across the back from one side to the other. The fabric D is attached to the respective bars G, and the spiral coils extend across the seat from one bar to the other. The fabric is secured to the back and bottom of both iron and wooden seats in substantially the same manner as shown in Fig. 2. The ends of the spirals *b* are subdivided and bent around the rod F, and secured within an opening or groove between bar G and plate E by screws *a a*. When the frame is formed en-

tirely of metal, as shown in Fig. 3, the ends of the spiral wires are secured between two plates like that at E, which plates are secured together by rivets instead of screws, as shown at K in Fig. 3.

In chairs having metallic frames the sides M M are made of two separate plates, I J, between which the margin of the fabric is secured, as described, around a rod within grooves formed in said plates, and said plates are secured together with rivets or screws. The sides M M are so curved that they form, in a single piece, the front legs and side frame to back and bottom. In applying the fabric to such frame the spirals are arranged across the seat and back from one side to the other, and the back and bottom H H of the seat may be formed of one continuous piece of fabric. The sides M M are connected together by the cross-pieces O. P are the rear legs of the seat, which are rigidly secured to the sides M M by rivets or screws.

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

1. In seats having back and bottom formed of spiral-wire fabric, the device herein described for attaching said fabric to the frame, consisting in the combination of grooved bars G and E, rod F, as interposed between said bars within the circular recess formed by said grooves, fabric D, having the ends of the respective wires forming said fabric wound around said rod upon both its upper and lower surfaces, and retaining screws or rivets *a a*, all substantially as set forth.

2. The improved chair herein described, consisting in the combination of sides M M, formed of two separate pieces, I and J, said sides being curved to form the front legs and side frames to the seat and back cross-pieces O, rear legs P, and spiral-wire fabric H, said fabric being secured around a retaining-rod within a groove between said pieces, all substantially as and for the purpose specified.

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

JOSEPH GREEN.

Witnesses:

GEO. W. STEELE,  
J. G. KESTOL.