

(No Model.)

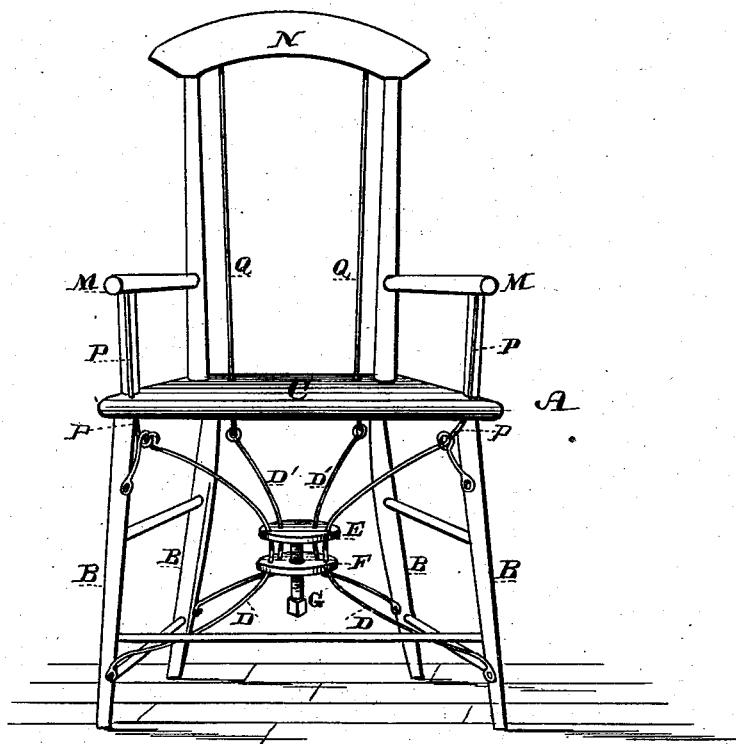
J. A. GALLAGHER.

CHAIR BRACE.

No. 261,332.

Patented July 18, 1882.

Fig. 1.



Witnesses,
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UNITED STATES PATENT OFFICE.

JOHN A. GALLAGHER, OF CHINESE CAMP, CALIFORNIA.

CHAIR-BRACE.

SPECIFICATION forming part of Letters Patent No. 261,332, dated July 18, 1882.

Application filed May 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. GALLAGHER, of Chinese Camp, county of Tuolumne, State of California, have invented an Improved Chair-Brace; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to a novel chair-brace, and particularly to certain improvements upon the chair-brace for which I have secured Letters Patent of the United States, No. 256,562, dated April 18, 1882, to which said Letters Patent I hereby refer.

My invention consists in the combination of the centrally-converging leg-brace rods or wires and the tightening plates and screw described and shown in said patent, with brace-rods for the back and arms, whereby by the operation of the tightening plates and screw not only the legs but the arms and back are affected, as will hereinafter fully appear.

The object of my invention is to provide a simple and complete brace for a chair, which by the movement of a single screw will tighten up all its parts, rendering it as firm and secure as at first.

Referring to the accompanying drawing, the figure is a view of my device.

Let A represent an ordinary chair with legs B, seat C, arms M, and back N.

All chairs which are used to any extent, and especially if in places, such as bar-rooms, where they are likely to receive rough usage, are very soon rendered unsafe or worthless by reason of the loosening of the legs, back, and arms.

D D' are wires or small rods, secured at their lower ends in suitable manner to the legs B. They converge toward the center of the space under the chair, where they pass through holes in the outer edges or rims of the plates F and E, the lower and upper, respectively.

G is the thumb-screw passing up through plate F and secured in plate E in a suitable retaining-socket.

The upper ends of the brace-rods D D', instead of being secured to the seat C, as I described in my former patent, are here secured as follows:

P are rods or wires secured in suitable manner to the arms. These pass loosely down through the chair-seat, engage the upper ends of the two front brace-wires, D D, preferably by taking a turn through the hooked or socket end of said brace-wires, as shown, and then extend downwardly and are secured to the legs. Q are wires secured to the back N at its top. They pass down through the seat and are hooked to the ends of the rear brace-wires, D' D'.

The operation of the brace is as follows: When the thumb-screw G is turned the plates F and E separate upon the converging brace-wires D D, tightening them and bracing the legs. Their upper ends draw down upon the arm-braces P and upon the back braces, Q, to tighten both arms and back. Thus by the movement of screw G to separate the plates all the parts of the chair may be braced effectively.

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

A chair-brace consisting of the combination and arrangement of the centrally-converging leg brace rods or wires D D', secured to the legs of the chair below the seat, the tightening-plates E and F, carrying screw G, the upper ends of wires D' D' being secured to back brace-rods, Q Q, and the arm brace-wires P, secured at their lower ends to the front legs and attached to the upper ends of rods D D, as shown, the whole constructed and arranged as set forth.

In witness whereof I hereunto set my hand.

JOHN AMBROSE GALLAGHER.

Witnesses:

C. D. COLE,
J. H. BLOOD.