

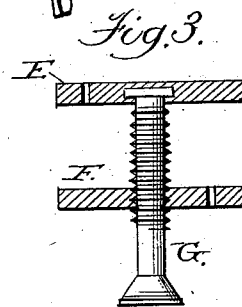
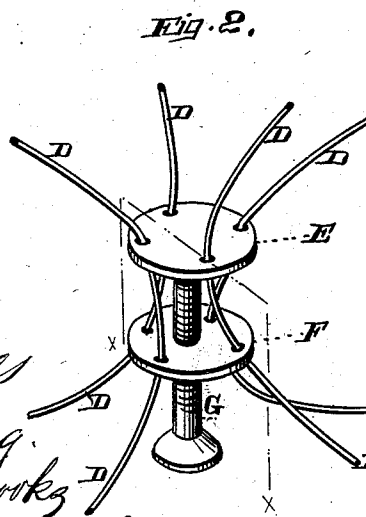
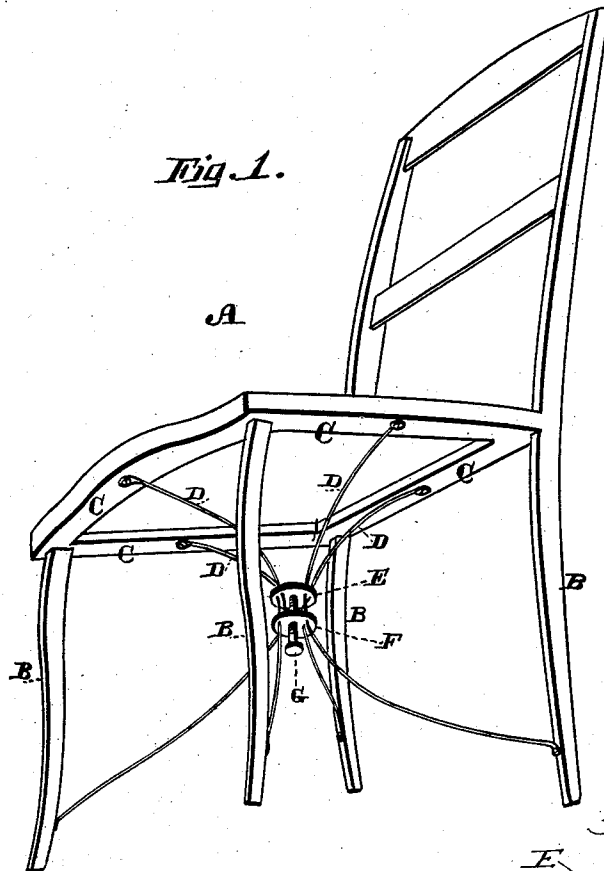
(No Model.)

J. A. GALLAGHER.

CHAIR BRACE.

No. 256,562.

Patented Apr. 18, 1882.



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. 256,562, dated April 18, 1882.

Application filed January 31, 1882. (No model.)

To all whom it may concern:

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

My invention relates to a new and useful chair-brace for holding securely the legs of chairs and preventing them from spreading.

It consists of wires or rods attached to the bottoms of the legs and to the seat above, said wires being made to converge toward the center under the chair and between the legs, and there adapted to be tightened or loosened by the separation or approach of two plates or disks operated by a thumb-screw.

Referring to the accompanying drawings, Figure 1 is a perspective of a chair, showing application of brace. Fig. 2 is an enlarged view of brace. Fig. 3 is an enlarged sectional view on line *xx* of Fig. 2.

Let A represent a chair having four legs, B, C C are the edges or outer frame of the seat or chair-bottom.

D D are four wires or small rods. Their upper ends are secured under the frame-pieces C C at about their middle in any practicable manner. These wires extend downwardly and are bent inwardly, converging to the center of the space under the chair. There they pass through the outer edge of a disk or plate E. A little below they pass through the edge of another disk or plate, F, and are then bent each to a leg, B, to the lower ends of which they are secured. I have here shown them as being secured by a screw passing through a

hook or eye in the end of the wires. The plate F has a hole in its center provided with screw-threads, through which the thumb-screw G passes. The end of the screw presses against the plate E, which may have a suitable retaining or bearing socket.

The operation of the brace is as follows: By the separation of the plates E and F the wires D D are all drawn closer together, and thus are tightened, while by the approach of the plates at the center they are loosened. The screw G effects this result. Its end presses against the plate E and forces it to its limit, when it causes the plate F to travel downward, and thus to remove from plate E. Reversing the screw brings the plates together and loosens the braces. The advantage of this device lies in its simplicity and economy, as well as in its effectiveness.

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

The chair-brace consisting of the combination and arrangement of the brace wires or rods D D, secured to the seat above and to the legs below, and converging to the center, and the plates E and F upon said braces, with their thumb-screw G, operating said plates to separate or approach to tighten or loosen the brace-rods, substantially as herein described.

In witness whereof I hereunto set my hand.

JOHN AMBROSE GALLAGHER.

Witnesses:

CHARLES B. CUTTING,
LEWIS EGLING.