

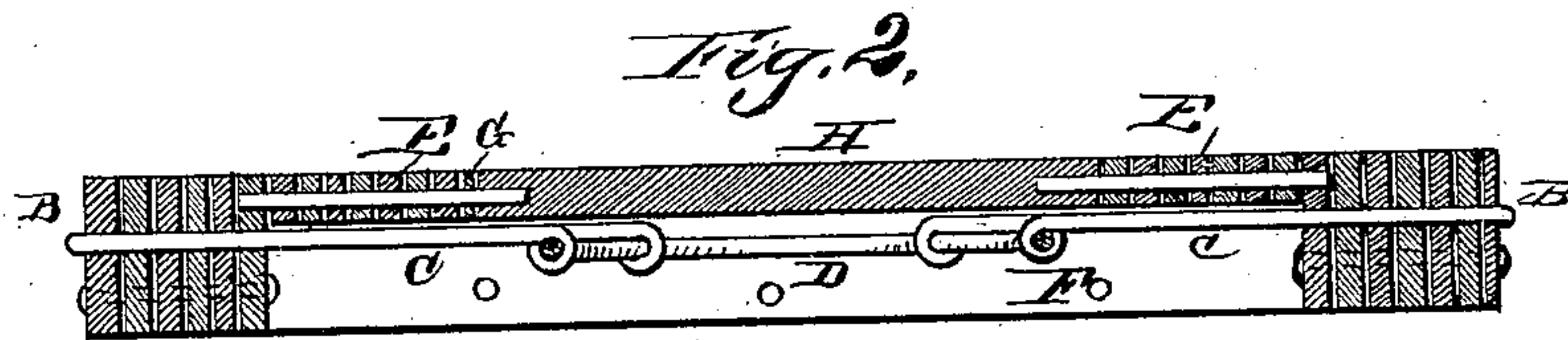
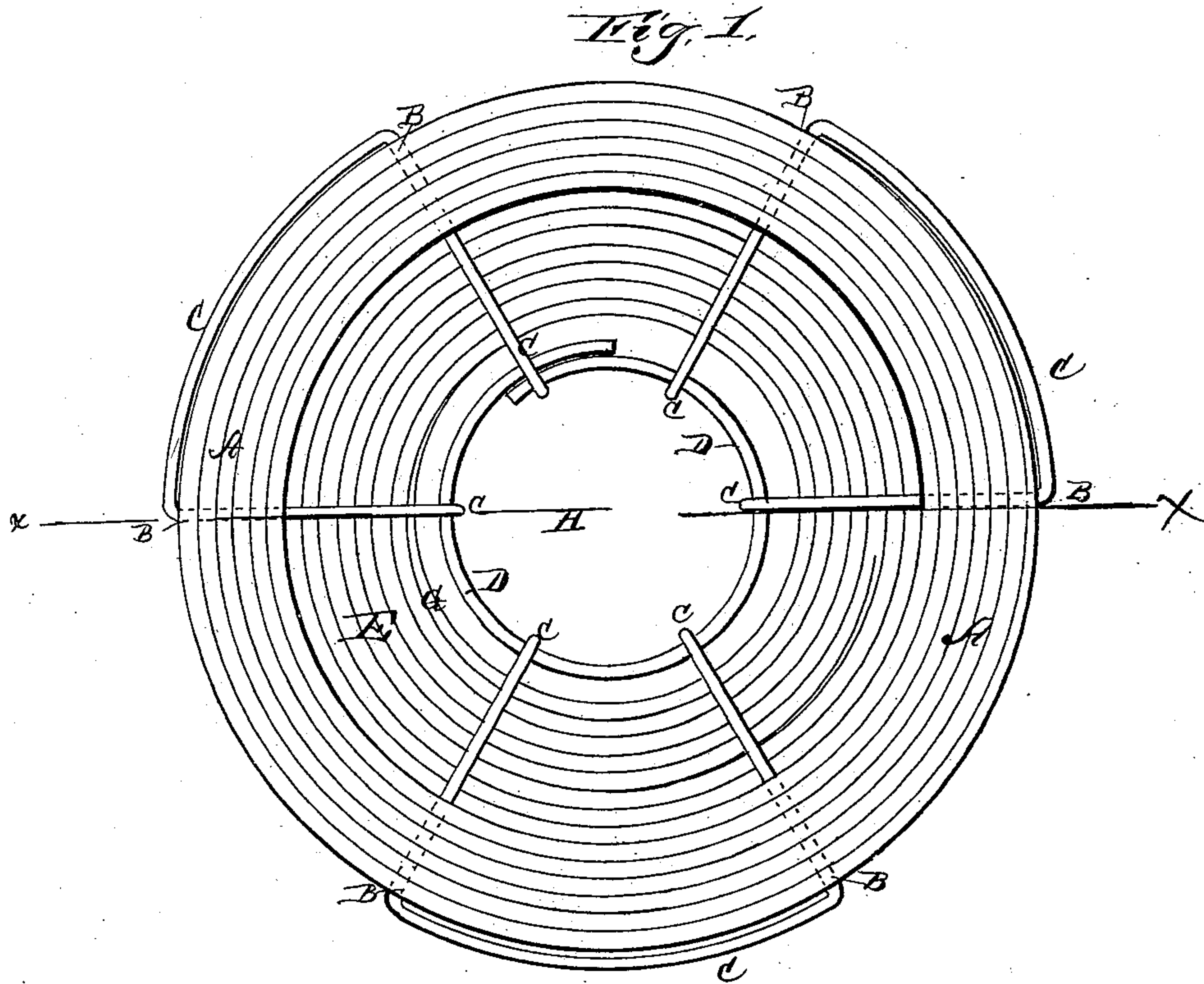
(Model.)

J. C. & P. M. GUERRANT.

CHAIR SEAT.

No. 246,499.

Patented Aug. 30, 1881.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOHN C. GUERRANT AND PETER M. GUERRANT, OF DANVILLE, VIRGINIA.

CHAIR-SEAT.

SPECIFICATION forming part of Letters Patent No. 246,499, dated August 30, 1881.

Application filed June 8, 1881. (Model.)

To all whom it may concern:

Be it known that we, JOHN C. GUERRANT and PETER M. GUERRANT, of Danville, in the State of Virginia, have invented certain new and useful Improvements in Chair-Seats; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention has for its objects to provide a chair-seat which will be strong and substantial in construction, and which will at the same time possess a sufficient degree of elasticity to allow it to spring and yield, so as to accommodate itself to the position of the occupant, as more fully hereinafter specified. These objects we attain by device illustrated in the accompanying drawings, in which—

Figure 1 represents a bottom-plan view, and Fig. 2 a central section on the line *xx*, Fig. 1.

The letter A indicates an annular frame, constructed of a continuous flat strip of wood or other suitable material wound into a coil of any desired thickness and bound firmly together by means of nails or other suitable fastening devices. At suitable points, B, the said frame is bored radially for the passage of the wires C, (a series of three being employed in the present instance,) their ends being extended inwardly toward the center of the frame and secured to a metallic annulus or open expanding-ring, D, directly under the chair-seat. The said seat is indicated by the letter E, and is formed of an annulus composed of a continuous flat strip of wood or other suitable material coiled similarly to the frame A, but not bound together, except at the extremities, so as to permit the intermediate coils to spring and yield in various directions. The strip forming the annular portion of the seat E is of less width than the strip forming the frame A, leaving a recess, F, below for the metallic annulus D and its supporting-wires. The annular portion of the seat E is set within the annular frame A, and the outer coil is firmly secured to said frame by nails or suitable fastening devices. The inner coil is beveled toward its extremity, as indicated by the letter

G, so as to form a circular aperture, in which the central portion of the seat is located. This consists of a disk of wood or other suitable material pivoted diametrically in the aperture in the annular portion of the seat, as indicated by the letter H, so that it will oscillate upon changes of position of the occupant of the chair.

The frame A may be secured to a chair-frame in any suitable manner, but as such chair-frame forms no part of our invention it is deemed unnecessary to here describe it or any particular means of securing the seat thereto.

It will be perceived that owing to the elasticity of the inner annulus and the loose or pivoted connections of the solid center of the seat, the seat will yield in all directions and accommodate itself to any change in position of the occupant, thus adding materially to the comfort of such occupant. The metallic annulus and radial wires serve to support the seat, and at the same time permit it to yield or rock laterally in all directions, and the annulus, being made in the form of an open or expanding ring, gives additional spring and ease to the seat.

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination, in a chair-seat, of a spirally-formed inner annulus with an outer annular frame and a central circular block, and supporting devices, substantially as described, whereby the spiral annulus and central block are adapted to yield to pressure thereon, as and for the purpose specified.

2. In combination with the annular frame, the inner annulus, and the diametrically-pivoted center-piece, the metallic annulus supported below the seat by radial wires passing through and secured to the annular frame, substantially as and for the purposes set forth.

In testimony that we claim the foregoing as our own we affix our signatures in presence of two witnesses.

JOHN C. GUERRANT.
PETER M. GUERRANT.

Witnesses:

J. A. THOMPSON,
P. T. BARROW.