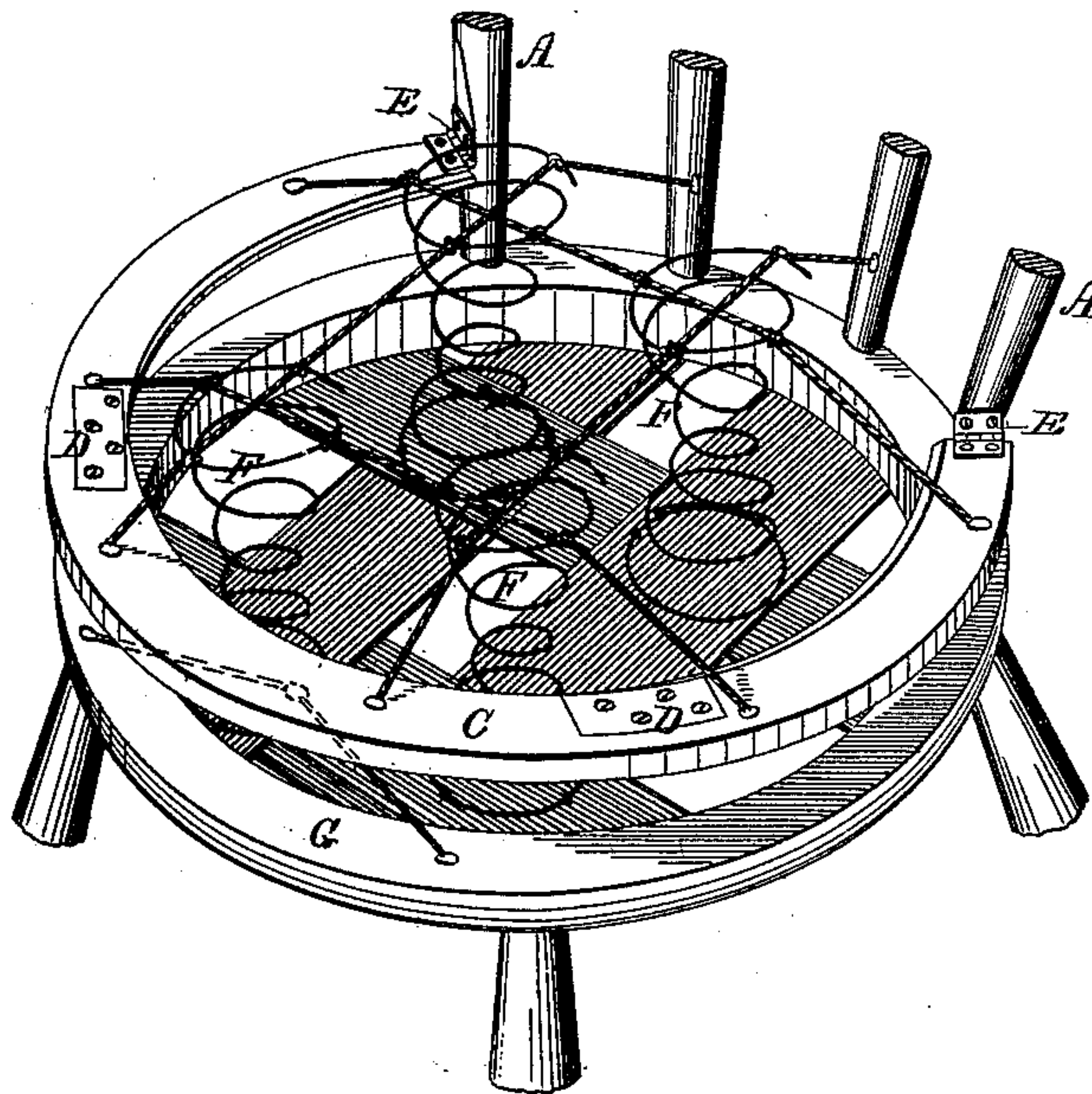


J. H. RODEBAUGH.
CHAIRS.

No. 195,454.

Patented Sept. 25, 1877.



Witnesses

Nobias Witmer
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Inventor

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UNITED STATES PATENT OFFICE.

JAMES H. RODEBAUGH, OF BUFFALO, NEW YORK.

IMPROVEMENT IN CHAIRS.

Specification forming part of Letters Patent No. **195,454**, dated September 25, 1877; application filed February 11, 1874.

To all whom it may concern:

Be it known that I, JAMES H. RODEBAUGH, of the city of Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in Chairs, of which the following is a specification:

My invention relates to upholstered spring-seat chairs; and consists in a movable frame, extending across the front and along the sides of the chair-seat, and hinged to the back in such a way that it may swing vertically. It is shaped according to the form of seat to which it is applied, and gives contour to the upper edge of the seat. It is supported by the straps or strings which usually confine the tops of the springs, while the height to which it may rise is limited by straps attached to it, and fastened to the chair-frame.

The object of my invention is to provide a movable edge for upholstered spring-seats, which may move up or down with the springs, thus obviating the stiff, unyielding edge heretofore in use.

The annexed drawing represents my invention.

A A are the back posts of a chair, united to the seat-frame in any suitable manner. To these posts I hinge a frame or hoop, having the same contour as the seat-frame, the hinges E E being placed at such a point as to bring the plane of the hinged frame about level with the top of the springs, by which the upholstered surface of the seat is supported. To the under surface of the seat-frame I secure strips of webbing, running from front to rear and from side to side, crossing each other at right angles. At the point where these strips intersect, the spiral springs F are placed,

and secured by stitches or in any suitable way. Cords *ff* are fastened to the hinged frame and passed from side to side thereof, directly over the webbing strips. These cords are knotted to each of the upper coils of the springs F, and serve to hold them in place under all circumstances.

The upholstering is applied to this seat in any suitable manner. It is evident that, instead of a hard, unyielding edge, within which the stuffed or spring-supported seat sinks upon pressure, I secure a yielding seat, every part of which is equally elastic; for, when the chair is used, pressure upon the central part of the seat will depress the springs, and thus allow the hinged edge to fall, while weight upon the side or edge will be supported by the springs, through the cords uniting them to the hinged edge.

I claim as my invention—

1. The combination, in a chair, of the seat-frame, a frame or hoop of corresponding shape hinged to the back posts, and spiral springs supported upon webbing strips fastened to the seat-frame, and united with the hinged frame by cords crossing each other at right angles and knotted to the upper spirals, as and for the purpose set forth.

2. In combination with the chair-seat frame G and back posts A A, the hinged frame or hoop C, hinged to said posts at E E, the webbing strips *cc*, spiral springs F F, cords *ff*, and straps or cord *g*, all as and for the purpose set forth.

JAMES H. RODEBAUGH.

Witnesses:

JAMES SANGSTER,
TOBIAS WITMER.