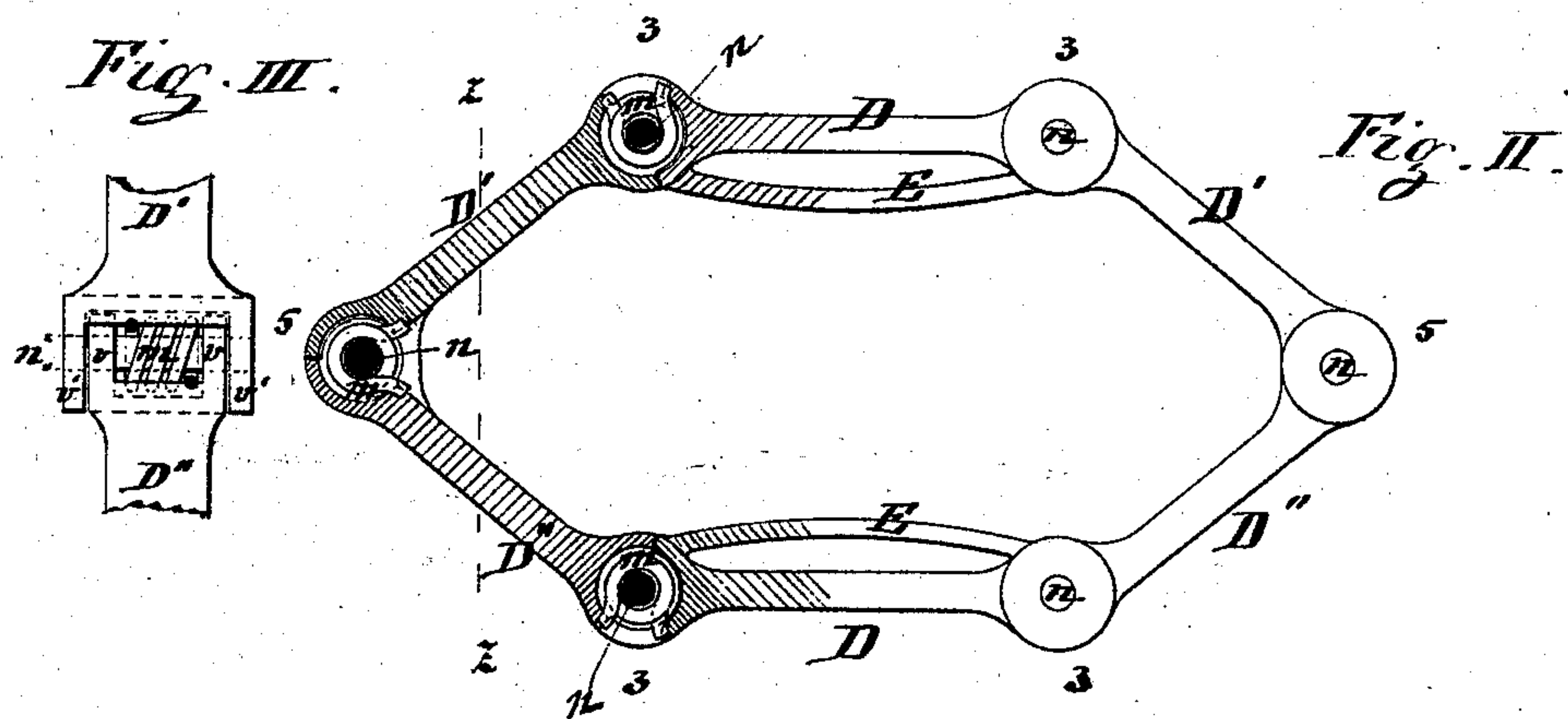
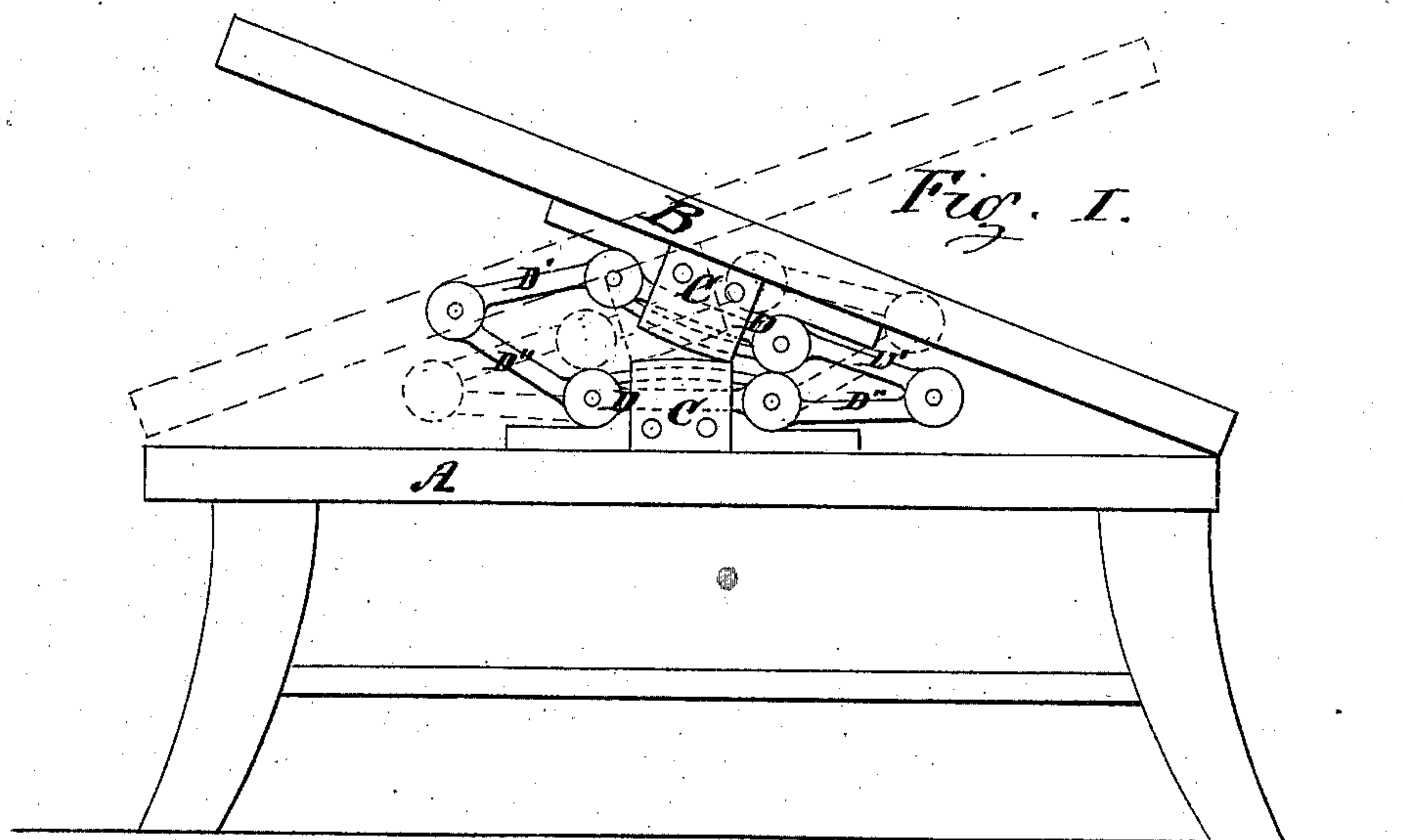


H. SCHEUERLE.

Spring Rocking-Frames for Chairs.

No. 150,436.

Patented May 5, 1874.



Witnesses.

Albert C. Behl  
C. Thornton

Inventor.

Henry Scheuerle  
per Henry E. Roeder  
Attorney

# UNITED STATES PATENT OFFICE.

HENRY SCHEUERLE, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF HIS  
RIGHT TO ALBERT E. BEH, OF SAME PLACE.

## IMPROVEMENT IN SPRING ROCKING-FRAMES FOR CHAIRS.

Specification forming part of Letters Patent No. 150,436, dated May 5, 1874; application filed  
March 20, 1874.

*To all whom it may concern:*

Be it known that I, HENRY SCHEUERLE, of New York, in the State of New York, have invented a new and Improved Spring Rocking-Frame for Chairs, Bed-Bottoms, &c., of which the following is a description:

The nature of my invention consists in the arrangement of six levers jointed together and provided with suitable springs in combination with circular braces or bars on the upper and lower levers, to act as rockers, when the upper part of the frame is pressed quite down upon the lower part of said frame.

In the accompanying drawing, Figure I represents the spring rocking-frame as applied to a chair. Fig. II represents a front view and sections of my improved spring rocking-frame. Fig. III is a section at line *z z* in Fig. II, showing the inside of the joint.

*D D' D''*, &c., are levers jointed together at their ends so as to form a six-sided frame, turning freely on their joint-pins *n*. The ends of said levers have two lugs, *v v' v''*, fitting over each other, and the lugs *v v'* of the inner lever are placed sufficiently far apart to allow the admission of a spiral spring, *m*, between the same upon the joint-pin *n*. (See Fig. III.) This spiral spring *m* is placed loosely around the joint-pin *n*, with one of its ends fastened to one of the levers forming the joint, and its other end fastened to the other lever. The ends of the springs *m* in the upper and lower joints 3 3 are attached and act against the upper and lower parts of their respective levers, while the ends of the springs in the central joints 5 5 act against the inner sides of their respective levers. By this arrangement the action of these springs *m* will force the levers apart, and any weight placed upon the frame will cause the springs to coil tighter together around the joint-pins *n*, and then force said

levers back again into their original position as soon as the weight is removed from the frame.

In applying this spring-frame to a chair or other piece of furniture the lower lever or link *D* is fastened to the bottom frame *A*, and the upper lever *D* to the seat *B* of the chair, by means of caps *C*, in such a manner that said levers will be securely attached to their respective parts. The ends of these caps *C* are made circular, so that when the frame is compressed, these caps touch each other, (see Fig. I,) the upper part of the frame attached to the seat *B* can vibrate or rock upon the lower cap attached to the frame *A* of the chair.

When the weight upon the top part of the frame is not sufficiently great to force the same quite together so that the caps *C* touch each other, the arrangement of the levers forming this frame will allow a vibrating or rocking motion to the seat *B*. At the same time this frame acts as a spring for the seat.

Instead of the caps *C* to fasten the frame, flanges may be made on the levers *D* to secure the same to their respective parts, and circular braces *E* (see Fig. II) arranged on their inner sides or surfaces, to allow the desired vibrating or rocking motion when the frames are forced together so that these braces *E* touch each other.

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with a spring-frame, constructed as above described, the circular braces *E*, attached to the central links *D*, in the manner and for the purpose substantially as specified.

HENRY SCHEUERLE.

Witnesses:

HENRY E. ROEDER,  
ALBERT E. BEH.