

F. HERRMANN.  
Rocking-Chair.

No. 215,519.

Patented May 20, 1879.

FIG. 1.

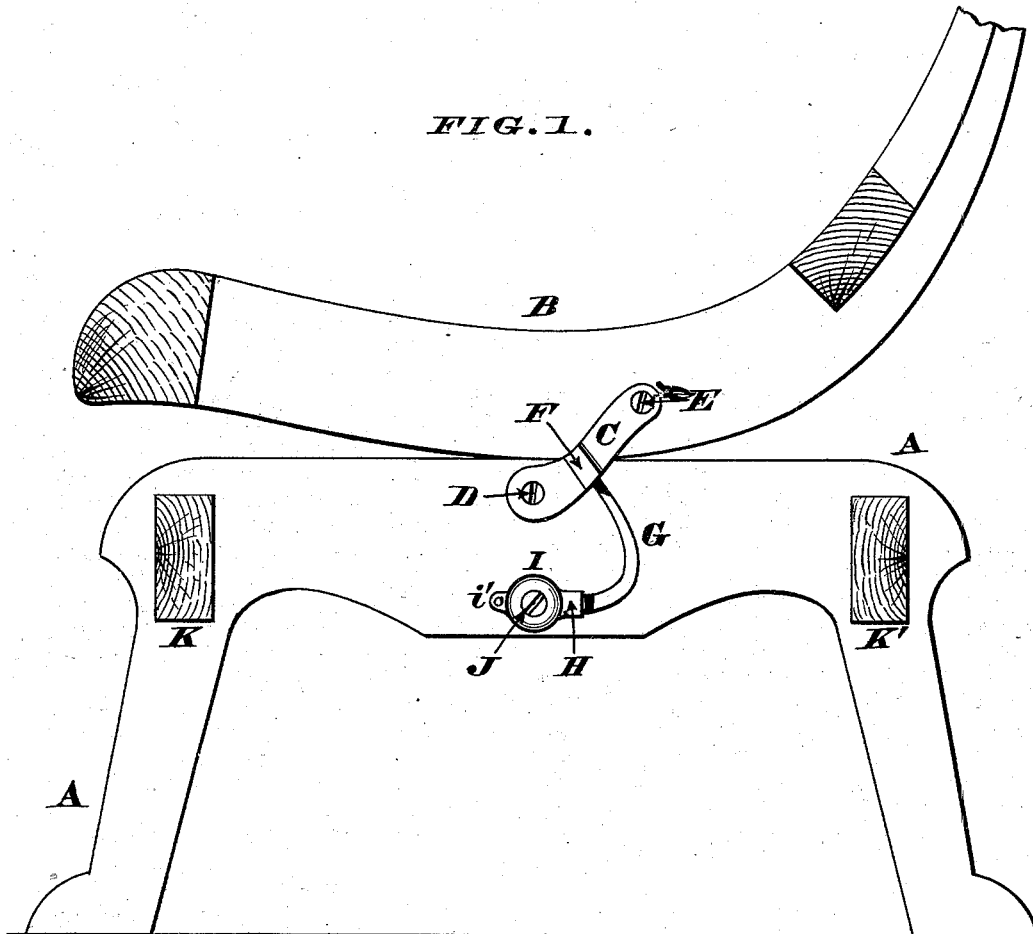
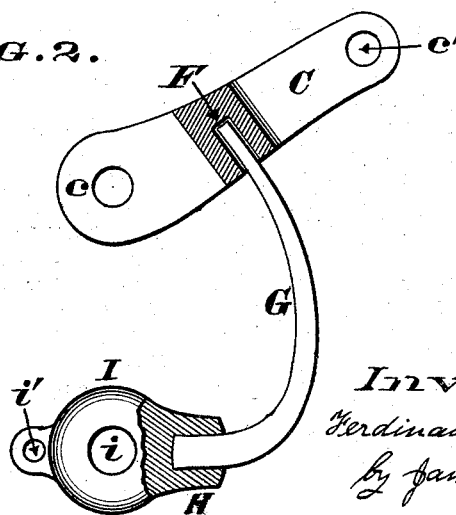


FIG. 2.



Attest.

John W. Layman  
George H. Holker.

Inventor.

Ferdinand Herrmann.

By James H. Layman  
His Attorney.

# UNITED STATES PATENT OFFICE

FERDINAND HERRMANN, OF CINCINNATI, OHIO.

## IMPROVEMENT IN ROCKING-CHAIRS.

Specification forming part of Letters Patent No. **215,519**, dated May 20, 1879; application filed April 8, 1879.

### *To all whom it may concern:*

Be it known that I, FERDINAND HERRMANN, of Cincinnati, Hamilton county, Ohio, have invented certain new and useful Improvements in Rocking-Chairs, of which the following is a specification.

This invention relates to those chairs which are so coupled to a supporting stand or base as to rock thereon; and my improvement comprises a novel combination of pivoted link and attached spring, whereby the oscillations of the chair may be effected in the most easy and noiseless manner, and without producing any concussions at the termination of the stroke, the details of this combination being hereinafter fully described, and pointed out in the claims.

In the annexed drawings, Figure 1 is a vertical section through the lower part of a rocking-chair embodying my improvements; and Fig. 2 is an enlarged view of the coupling devices, the sockets of the same being shown in section.

A represents one side of a supporting base or stand, of any suitable size and shape, and B is the part of the chair-frame adapted to rock on said stand.

C is a metallic link, having eyes *c c'* to receive screws D and E, wherewith the link is pivoted to stand A and chair-frame B. Furthermore, this link has a socket, F, or other arrangement, to retain the upper end of a curved spring, G, the lower end of said spring being inserted in the socket H of a keeper, I, which keeper is pierced at *i* to receive a screw, J. This screw unites the keeper immovably to stand A; but in order to prevent said keeper rotating around its screw the former should be provided with another eye, *i'*, to receive a nail or pin; or the rotation of this keeper may be prevented in any other manner. But in some cases this keeper may be dispensed with, and the lower end of spring G can be secured to

stand A with staples, or with screws passing through apertures in this end of said spring.

K K' are customary stretchers, for uniting the opposite sides of stand A.

As chair B rocks back on stand A the link C turns on its two pivots D E, so as to compensate for such a rocking motion, and at the termination of this stroke spring G yields, and thus prevents any concussion or jar. As frame B rocks forward the same movements take place, but in an opposite direction, and at the termination of this stroke spring G again comes into action, gradually arresting the motion of said chair-frame B, and thereby preventing any jar or noise.

As this arrangement of devices is duplicated on the opposite stand and chair-frame, it is evident the two links C prevent the chair shifting laterally with reference to its stand A.

My coupling devices C G H may be readily applied to any rocking-chair of the class specified.

I claim as my invention—

1. In combination with stand A, rocking-chair B, and link C *c c'*, pivoted to the same at D E, respectively, the spring G, having its upper end attached to said link, while its lower end is secured to said stand, for the purpose specified.

2. The combination of stand A, rocking-chair B, link C *c c'*, pivots D E, spring G, sockets F H, and fixed keeper I *i*, for the purpose specified.

3. As a new article of manufacture, a coupling device for rocking-chairs, consisting of the perforated link C *c c'*, sockets F H, spring G, and keeper I *i*, as herein described.

In testimony of which invention I hereunto set my hand.

FERDINAND HERRMANN.

Witnesses:

JAMES H. LAYMAN,  
GEORGE H. KOLKER.