

(No Model.)

F. LATULIP.
SPRING FOR ROCKERS.

No. 355,769.

Patented Jan. 11, 1887.

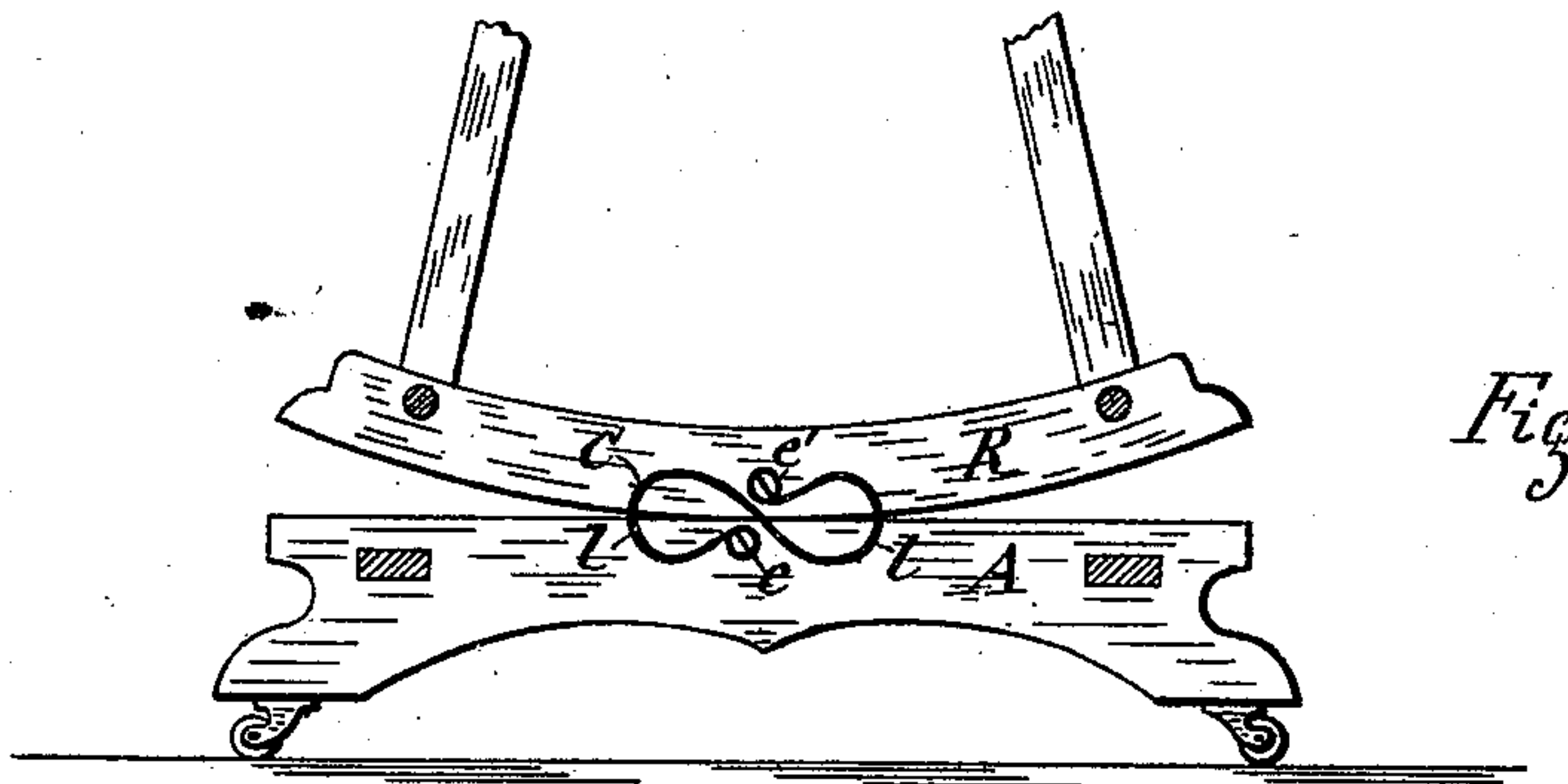
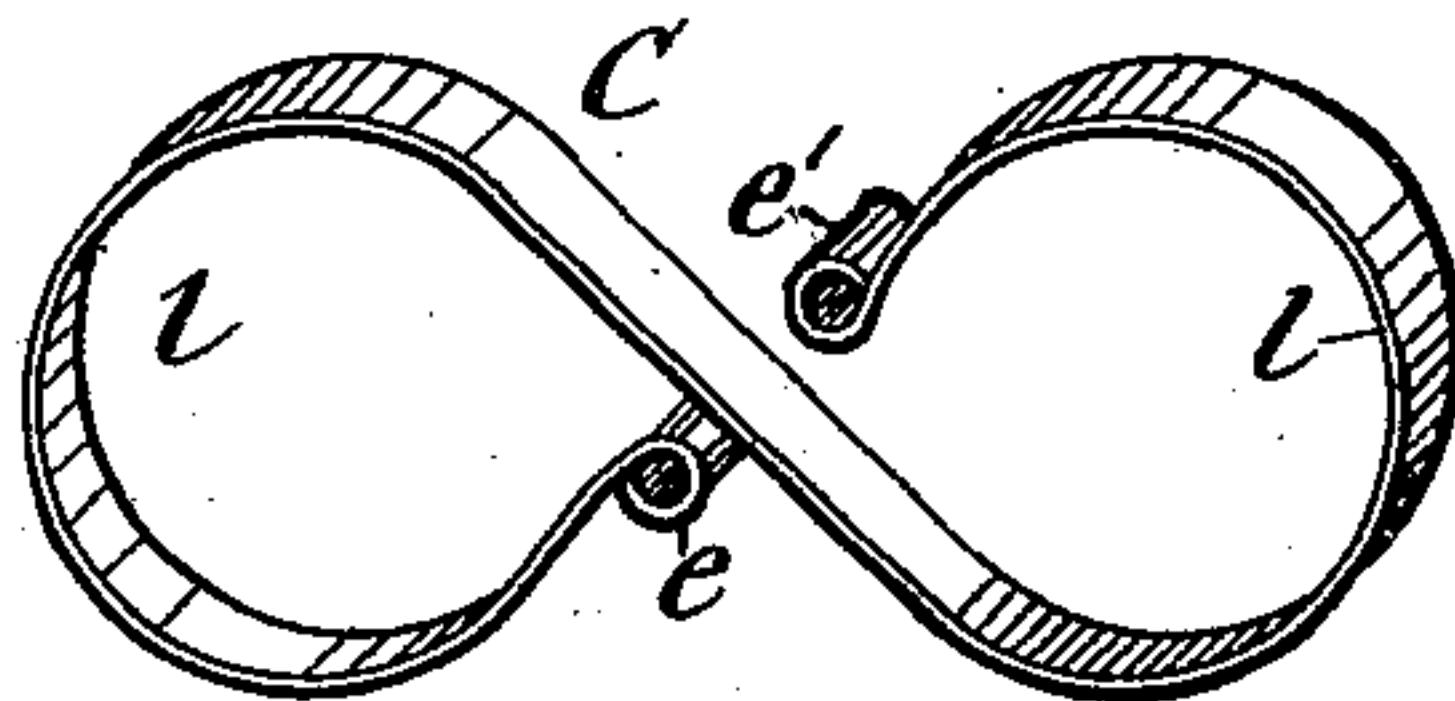


Fig. 2.

Fig. 1.



WITNESSES:

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FREDERICK LATULIP, OF SYRACUSE, ASSIGNOR OF ONE-HALF TO THOMAS WILLIAM MEACHAM, OF ONONDAGA, NEW YORK.

SPRING FOR ROCKERS.

SPECIFICATION forming part of Letters Patent No. 355,769, dated January 11, 1887.

Application filed September 4, 1886. Serial No. 212,744. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK LATULIP, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Springs for Rockers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to springs employed for connecting the rockers of chairs and cradles to the stationary bases supporting said chairs and cradles; and the invention consists in a novel construction of such springs, as hereinafter fully described, and specifically set forth in the claims.

In the annexed drawings, Figure 1 is a detached isometric view of my improved spring. Fig. 2 is a vertical transverse sectional view showing the attachment of said spring to the rockers and its supporting stationary base.

Similar letters of reference indicate corresponding parts.

A represents the stationary base of a rocking-chair or cradle, and R denotes the rockers mounted on said base.

C represents my improved spring, consisting, essentially, of spring-metal loops *l l*, standing in vertical planes and connected at opposite ends, respectively, with the base and rocker. To embody this feature in its simplest form, I construct said spring of a continuous bar of steel or other suitable spring metal, bent at its central or main portion into the shape of an **S** and curved reversely at opposite ends in a uniform plane, said end portions forming the loops *l l* and terminating with eyes *e e'* at opposite sides of and preferably in proximity to the central portion of the bar, as illustrated in Fig. 1 of the drawings. Said spring I place with its loops *l l* standing in vertical planes and secure the lower eye, *e*, thereof to the base A and the upper eye, *e'*, to the rocker R, as shown in Fig. 2 of the drawings.

By arranging the attaching-eyes *e e'* diametrically opposite to each other at the center of the spring, the strain becomes concentrated thereat, and thus the rockers are more effectually prevented from slipping longitudinally on the base, and during the rocking motion of the rocker one of the loops *l* is subjected to expansion, while the other loop is

subjected to contraction. The joint action of said loops imparts an easy and comfortable spring motion to the rocker.

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

1. As an improved article of manufacture, a metallic spring formed of a continuous spring-metal bar curved reverse at opposite ends in a uniform plane and into loops terminating at opposite sides of the bar, substantially as set forth.

2. A metallic spring composed of a continuous spring-metal bar having its main portion curved in the shape of an **S** and its end portions terminating in proximity to the central portion of the bar at opposite sides thereof and diametrically opposite to each other, substantially as set forth.

3. A metallic spring composed of a continuous spring-metal bar having its main portion curved in a uniform plane into the shape of an **S** and its end portions terminating with attaching-eyes in proximity to the central portion of the bar at opposite sides thereof, substantially as described and shown.

4. In combination with the stationary base and rocker mounted thereon, a spring-metal bar having its main portion curved in a vertical plane into the shape of an **S** and its end portions attached, respectively, to the aforesaid base and rocker, as specified.

5. In combination with the stationary base and rocker mounted thereon, a spring-metal bar having its main portion curved in a vertical plane into the shape of an **S** and its end portions terminating with attaching-eyes in proximity to opposite sides of the central portion of the bar and connected by said eyes, respectively, to the aforesaid base and rocker, substantially as described and shown.

In testimony whereof I have hereunto signed my name and affixed my seal, in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, in the State of New York, this 17th day of August, 1886.

FREDERICK ^{his} × LATULIP. [L. S.]
mark

Witnesses:

FREDERICK H. GIBBS,
JOSEPH P. AUMOND,