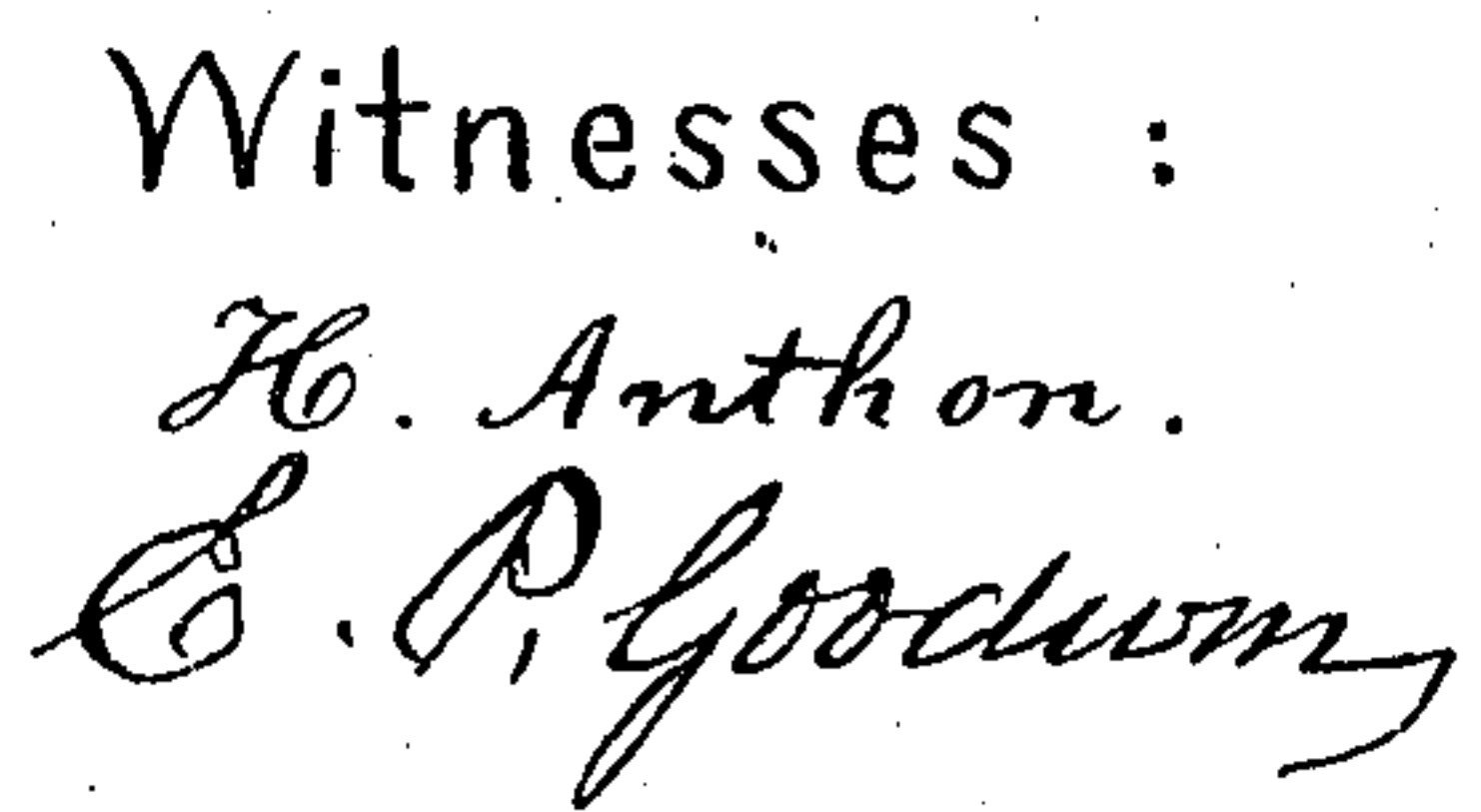


Cradle.

Patented Oct. 26, 1875.



Inventor:

Ebenezer F. Gazzam
By W. Burris Atty.

UNITED STATES PATENT OFFICE.

EBENEZER F. GAZZAM, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN CRADLES.

Specification forming part of Letters Patent No. **169,253**, dated October 26, 1875; application filed June 24, 1875.

To all whom it may concern:

Be it known that I, EBENEZER F. GAZZAM, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Automatic Rocking-Cradles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which drawings—

Figure 1 is a side elevation. Fig. 2 is an end view. Fig. 3 is a transverse section on line *x x* of Fig. 1. Fig. 4 is a transverse section on line *y y* of Fig. 1; and Fig. 5 is an inside view of lower part of the lever, detached.

My invention consists of the combination and adjustment of devices on a cradle or crib for automatically rocking the same, as hereafter described.

A represents a cradle, mounted upon a frame, B. The lower parts of the ends of the cradle and the upper parts of the ends of the frame are properly curved to form the rocking-surfaces, as shown in Figs. 2 and 3. C represents ordinary clock-works, attached to the end of the frame B. D is a lever, pivoted on the shaft *a* of wheel *b*. The upper part of the lever is provided with a slot, *c*, to receive the pin *c*¹, attached to the end of the cradle; and the lower part of the lever is provided with a slot, *d*, to receive the pin *d*¹, attached to the inside of the plane wheel E, mounted on the end of the shaft of pinion *e*. (See Fig. 5.) On the inside of each end of the cradle and frame are cross-stays *b*¹, pivoted at one end to the cradle, and at the other end to the frame, as shown in Figs. 1 and 3. F repre-

sents a brace, attached to the under side of the bottom of the cradle. The lower part of the brace is made circular, and extends downward into a groove in a block, G, attached on the bar B¹ of the frame. On each side of the block are pivoted stops *c*², adjusted to be raised into notches *c*³ in the lower part of the brace F, to stop the rocking of the cradle, and hold it in a level position when not required to be rocked.

The clock-works are provided with a main-spring of the proper size to give the requisite power, and to rock the cradle for a period of about forty-eight hours; and when the main-spring is wound up the wheel E is revolved, which, by means of pin *d*¹, working in slot *d* in the lower end of the lever, oscillates the lever; which, by means of pin *c*¹, working in slot *c* in the upper part of the lever, rocks the cradle.

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

1. The combination of lever D, pivoted on the shaft *a*, and having slot *c* in the upper part and slot *d* in the lower part of the lever, and pin *c*¹ on the end of the cradle A, adjusted on the frame B, and plane wheel E, having pin *d*¹, attached to the clock-works C, substantially as and for the purposes described.

2. The brace F, attached to the cradle A, and having notches *c*³, in combination with block G and pivoted stops *c*², substantially as and for the purposes described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

E. F. GAZZAM.

Witnesses:

JOHN B. GAZZAM,

D. K. MCGUNNEGLE.