

S. G. Delano,

Cradle.

No. 100,735.

Patented Mar. 15. 1870.

Figure 1 -

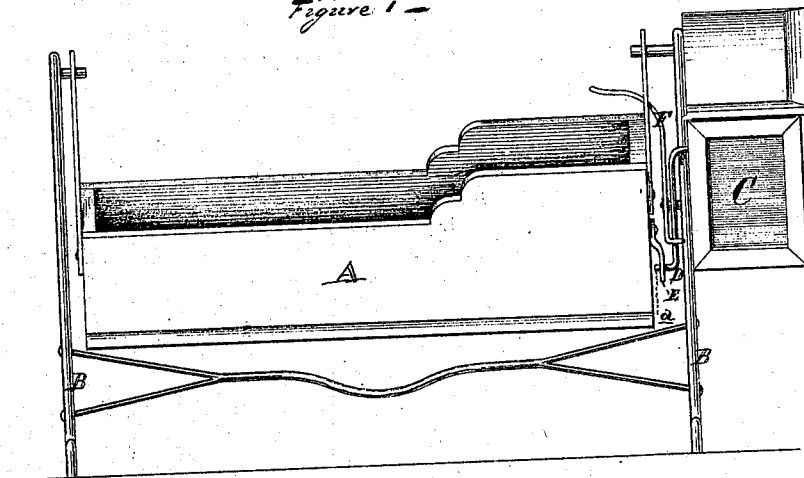
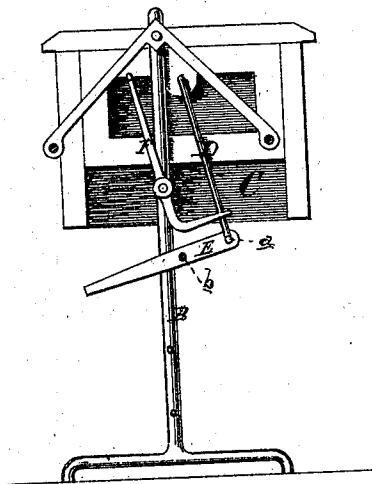


Figure 2 -



ATTEST.

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Letters Patent No. 100,735, dated March 15, 1870.

IMPROVED AUTOMATIC CRADLE.

The Schedule referred to in these Letters Patent and making part of the same

To whom it may concern:

Be it known that I, SYLVANUS G. DELANO, of Argentine, in the county of Genesee, and State of Michigan, have invented a new and useful Improvement in Automatic Cradles; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of my cradle.

Figure 2 is an elevation of the clock-work case, showing the method of connecting the pendulum to the cradle, and the fan-arm to the pendulum.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improvement in the construction of an infant's cradle, by means of which the necessity of an attendant to rock the cradle and keep away flies and insects is dispensed with.

The invention consists in a cradle properly hung or journaled in upright standards, to which cradle a vibratory motion is given by means of springs and clock-work of ordinary construction; and in a new and peculiar method of moving a fan suspended over the cradle, the whole so arranged that the cradle and fan, or either of them, may be operated together or separately.

This invention is more especially designed as an improvement upon that for which Letters Patent were issued to me on September 1, 1868, and numbered 81,757.

In the drawings—

A represents an infant's cradle, suspended from knife-edge bearings projecting inward from the standards B.

C is the clock-work, of ordinary construction, con-

tained in a suitable case, between which and the head of the cradle the pendulum-rod D is caused to oscillate, said rod having its extremity turned inward to form an arm, *a*.

E is a plate having an upward-opening slot near one end, and pivoted at *b* to the head of the cradle.

F is the fan-lever pivoted to the standard, as shown, and is operated by the pendulum-rod playing in a loop in its lower arm, which is turned laterally for the purpose of forming the connection. The loop at the end of the arm is so constructed that it may be readily detached from the pendulum-rod when it is not desired to vibrate the fan.

The connection between the cradle is formed by moving up the slotted end of the lever or plate E until the slot embraces the arm *a* of the pendulum-rod.

It will be seen that, by this arrangement of the various parts, the cradle may be rocked and the fan vibrated conjointly, or either of them alone. If there be no insects to annoy the infant, the fan may be allowed to rest, or, after the infant is asleep, the cradle is set at rest by disconnecting the plate E from the pendulum-rod and the fan is continued in operation.

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

The construction and arrangement of the connecting-plate E and fan-lever F, in connection with the cradle A and pendulum-rod D, operated by any suitable clock-work, in the manner and for the purpose set forth.

S. G. DELANO.

Witnesses:

H. F. EBERTS,

H. S. SPRAGUE.