(No Model.)

F. W. BARKER.

CRADLE.

No. 274,454. Patented Mar. 27, 1883.

Fig. 2.

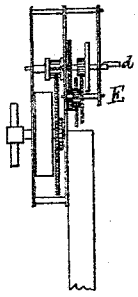


Fig. 1.

Witnesses.
S. N. Pipes.
J. F. Hogan

Inventor.
Frank W. Barker.
by R. H. Eddy atty.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

FRANK W. BARKER, OF CHELSEA, MASSACHUSETTS.

CRADLE.

SPECIFICATION forming part of Letters Patent No. 274,454, dated March 27, 1883.

Application filed October 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. BARKER, of Chelsea, in the county of Suffolk, of the State of Massachusetts, have invented a new and useful Improvement in Cradles; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation of a cradle embodying my improvement. Fig. 2 is a side elevation of its clock-movement.

The nature of my present invention is defined in the claim hereinafter presented.

In such drawings, A denotes the crib of the cradle, and B the supporting-stand of such crib, the two being constructed and arranged as represented, or in any other suitable manner. Extending down from the crown of the arch *a* of the stand is a spiral spring, C, which at its lower end is attached to the crib-sustaining bail D, provided with eyes or bends *b b* to receive hooks *c c*, extending from the arch. Fastened on the arch, at its crown, is a clock or time-piece movement, E, having to one of the arbors of its gears a crank, *d*, which by means of a rod, *e*, depending from its wrist, is connected with one of the coils of the spiral spring. Furthermore, there is over the crib a fan, F, which is supported by two rods or wires, G and H, arranged with it and the arch of the stand, in manner as shown, and pivoted to the fan.

On the mainspring of the clock-movement being wound up, if the crib be pressed downward sufficiently and next allowed to rise freely, the crank will continue to revolve, and, with the connecting-rod, will effect a reciprocating vertical movement of the spring and crib, such spring and crib serving the purpose of a pendulum and an escapement to regulate or retard the running down of the clock-movement. As the crib may move up and down, a vibratory up-and-down motion will be imparted to the fan.

From the above it will be seen that by means as above explained the crib may be vibrated vertically and automatically and at regular intervals, thus saving much labor and attention in comparison to what would be expended in operating by manual power a crib through means as described in the United States Patent numbered 260,823, and granted to me, and dated July 11, 1882.

I claim—

The combination of the crib and the spiral spring, and the clock-movement applied to the supporting-stand of the said crib, and provided with the crank and connecting-rod, all being adapted and to operate substantially as set forth.

F. W. BARKER.

Witnesses:
R. H. EDDY,
E. B. PRATT.