

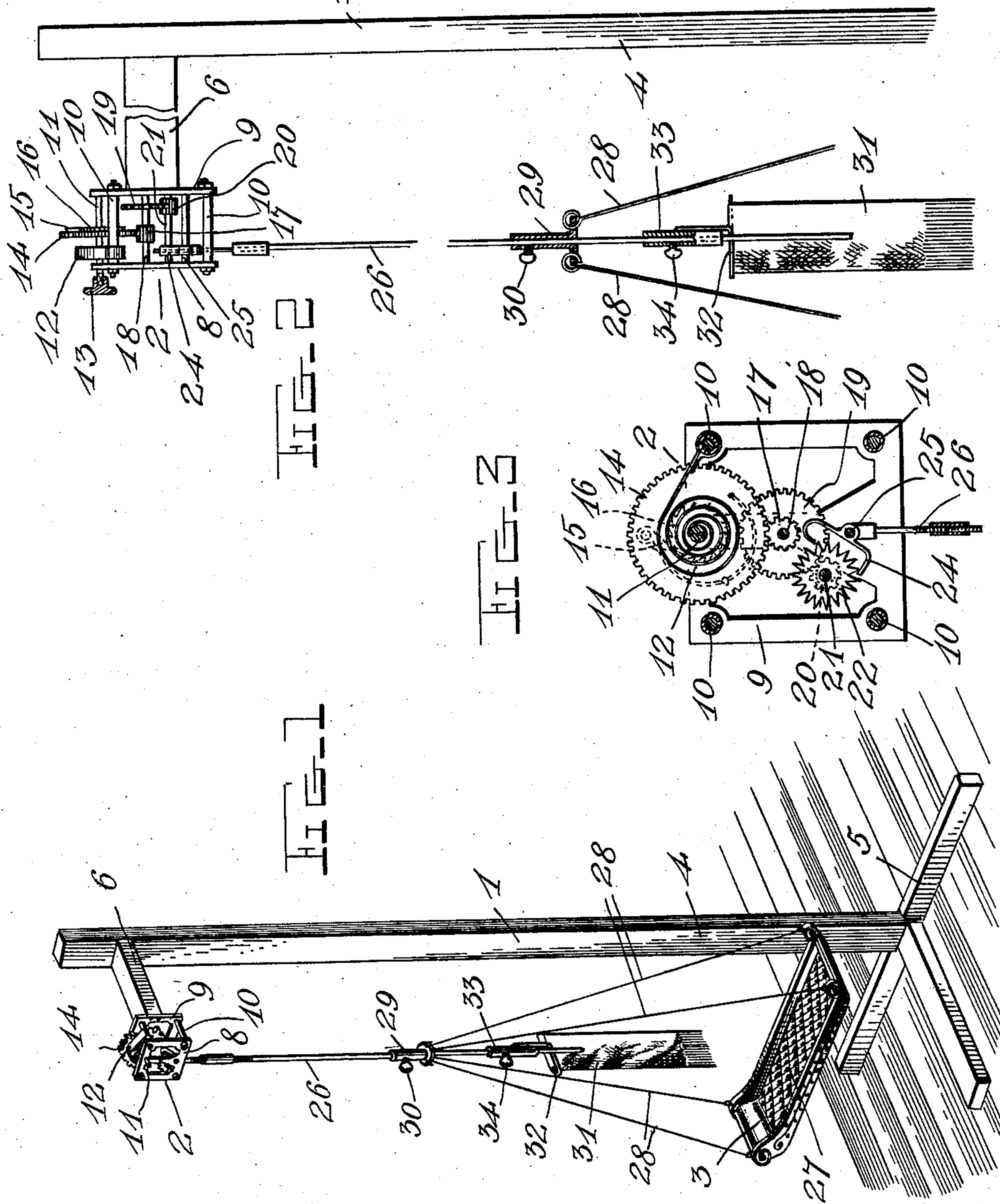
No. 860,156.

PATENTED JULY 16, 1907.

D. W. SCALF.  
CRADLE.

APPLICATION FILED NOV. 27, 1905.

2 SHEETS—SHEET 1.



Witnesses

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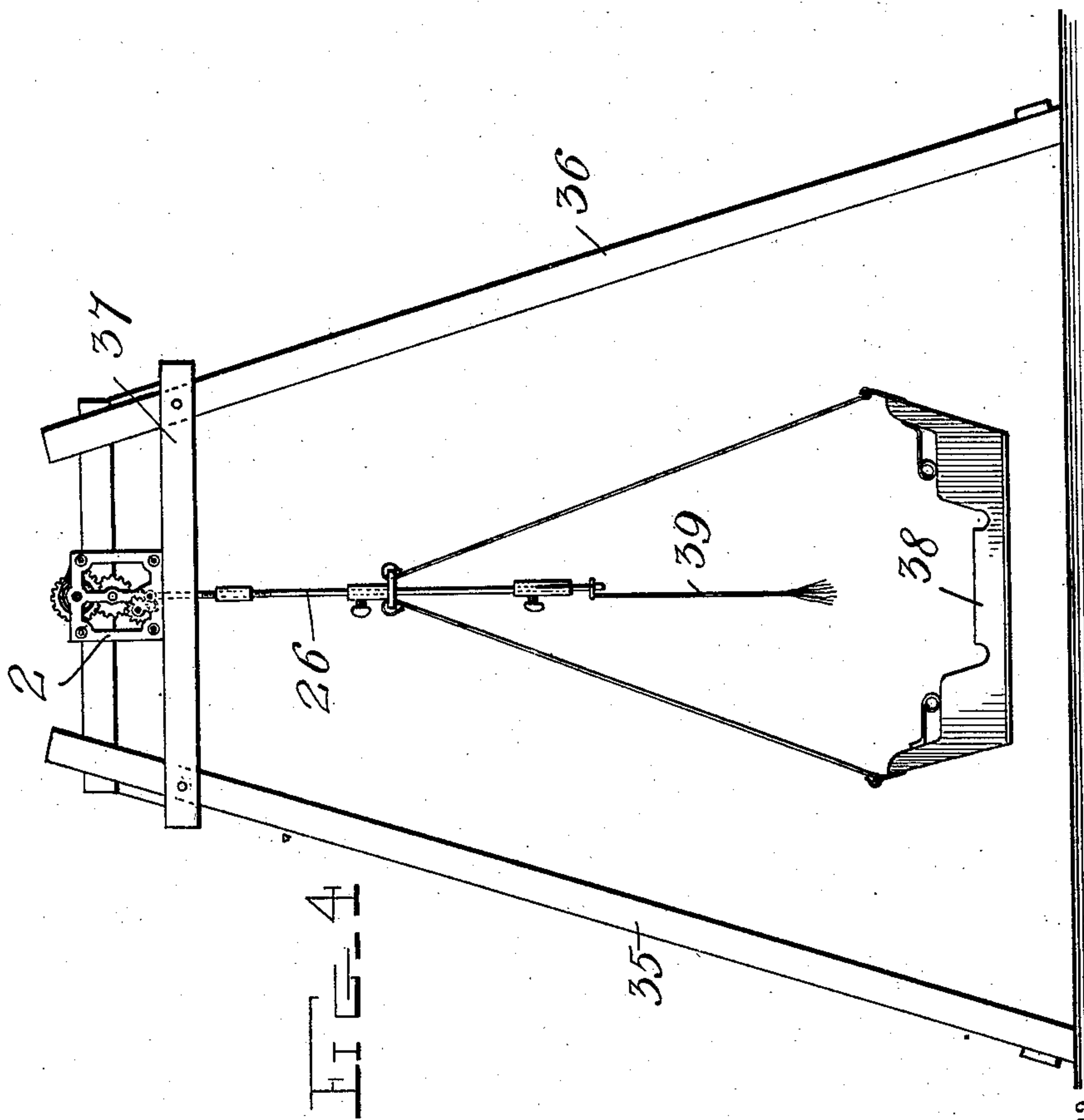


FIG. 4

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# UNITED STATES PATENT OFFICE.

DAW W. SCALF, OF LAFOLLETTE, TENNESSEE.

## CRADLE.

No. 860,156.

Specification of Letters Patent.

Patented July 16, 1907.

Application filed November 27, 1905. Serial No. 289,322.

*To all whom it may concern:*

Be it known that I, DAW W. SCALF, a citizen of the United States, residing as Lafollette, in the county of Campbell and State of Tennessee, have invented certain new and useful Improvements in Cradles; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

10 My invention relates to improvements in cradles, and it consists in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings,—Figure 1 is a perspective view of one embodiment of my invention which is in the form of a swinging cradle or bed; Fig. 2 is a detail vertical sectional view through the same; Fig. 3 is a detail view of the spring motor; Fig. 4 is a view of another embodiment of the invention, the same  
20 being in the form of a lawn swing.

Referring more particularly to Figs. 1 to 3 inclusive of the drawings, the numeral 1 denotes a suitable frame or support upon the upper portion of which is mounted a spring motor 2 adapted to support and oscillate a baby's cradle, bed or similar device 3. The support 1 is here shown as consisting of an upright 4, secured at its lower end in a substantially T-shaped base 5, and having at its upper end a horizontal arm 6. The casing of the motor is secured upon the arm 6 and consists of plates 8, 9, which are spaced apart by posts 10. In bearings in the plates 8—9 is mounted a winding shaft 11, which has its inner end secured to said shaft and its outer end secured to the frame of the motor. The spring is adapted to be wound up by a winding key or other device 13, which is provided upon the outer polygonal shaped end of the shaft 11. Mounted upon the shaft 11 is a gear wheel 14, which is locked to rotate with the shaft in one direction by the engagement of a spring actuated pawl 15 which it carries, with a ratchet wheel 16 secured upon said shaft 11. This pawl and ratchet connection permits the spring to be wound without operating the other parts of the motor. The gear 14 meshes with a pinion 17 upon a shaft 18, which is also mounted in bearings in the plates 8, 9, and which carries a gear 19, which meshes with a pinion 20 upon a shaft 21. The latter is mounted between the plates 8, 9 and has secured upon it an escape-  
45 ment ratchet 22, which coacts with a verge or escape-ment pawl 24, secured upon a shaft 25. Depending from the shaft 25 is a pendulum or supporting rod 26 to which the cradle or other device 3 is connected. The cradle, bed or other device 3 may be of any desired

form and construction, but as shown, it comprises a substantially rectangular body 27, supported from its four corners by converging links, cords or other connections 28. The latter have their upper converging ends secured to a sleeve 29, which is adapted to slide upon the oscillating rod or pendulum 26 and to be adjustably secured thereon by a set screw 30, or by any other suitable means. This sliding and adjustable connection permits the cradle or bed 27 to be supported at any desired elevation from the floor or ground. In order to frighten flies and other insects from the child in the bed or cradle, I preferably provide a fly-fan or chaser 31 which is here shown as consisting of a flexible fabric sheet fringed at its lower end and supported transversely at its upper end upon a wire frame 32, which has its upper end secured to a sleeve 33. The latter is adapted to slide upon the lower end of the rod or pendulum 26 and to be adjustably secured thereon by a set screw or the like 34. This sliding adjustment permits the fan to be disposed at any height above the baby or child in the cradle. The construction, use and advantages of this embodiment of the invention will be readily understood from the foregoing description, taken in connection with the accompanying drawings. It will be seen that when the spring 12 is wound up, the cradle or bed 27 will be given an easy swinging or oscillatory movement and the fly-fan 31 will be swung back and forth to prevent the baby or child from being annoyed by flies or other insects.

In Fig. 4 of the drawings, I have shown my invention as applied to a lawn swing, which consists of a frame having two side portions 35, 36 pivotally connected to the uppermost portion 37, in the center of which is mounted the spring motor. The oscillating rod or pendulum 26 depends centrally within the frame and has a swing body 38 adjustably supported upon it in a manner similar to that in which the cradle or bed 27 is mounted. The swing body or chair frame 38 may be of any desired form and construction, to hold one or more occupants, who may be fanned by a fan 39 of any suitable form and construction, which is adjustably mounted upon the lower end of the rod 26 in a manner similar to that in which the fly-fan 31 is mounted.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation and advantages of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention.

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

1. The combination of a swinging rod and a cradle and fan, the former below the latter, both carried by said  
5 swinging rod and each adjustable vertically thereon independently of the other, to vary the distance between them at will, and to vary the speed and arc of movement thereof, substantially as described.

2. In a cradle, a vibratory rod, two runners adjustably

secured thereto, divergent supports suspended from the upper runner, a cradle secured to the lower ends of said supports, and a fan secured to the lower runner, the lower end of which is adapted to be moved adjacent to the cradle. 10

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

D. W. SCALE.

Witnesses:

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GARFIELD IVEY.