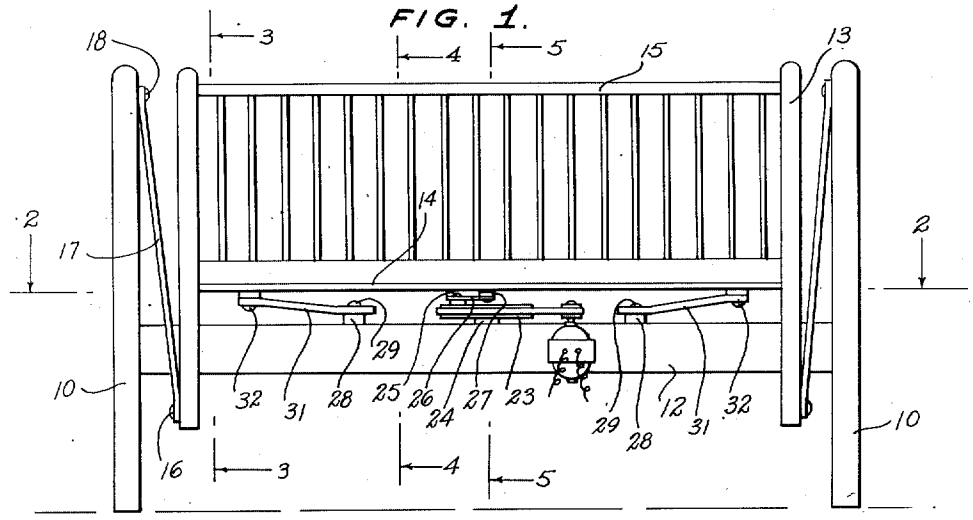
Nov. 28, 1950 C. L. MILLER 2,531,858

CRADLE

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FIG. 1.



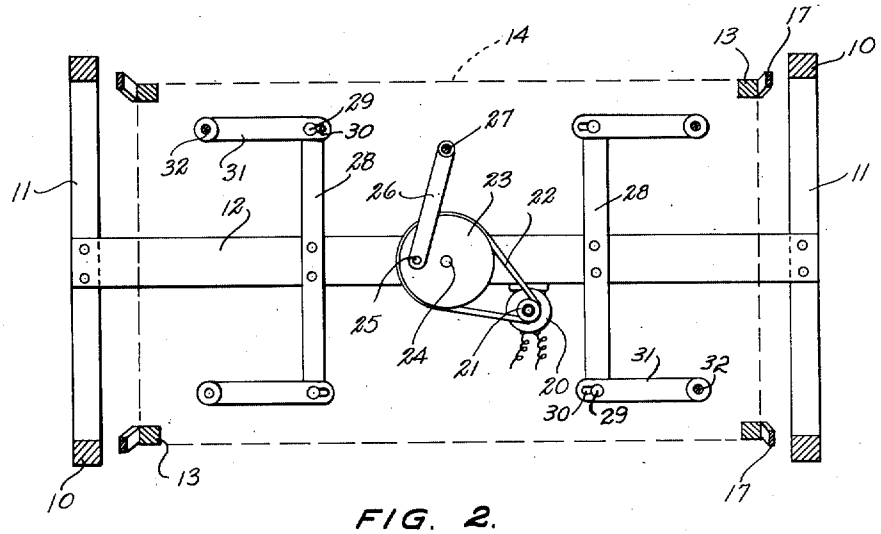


FIG. 2.

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FIG. 3.

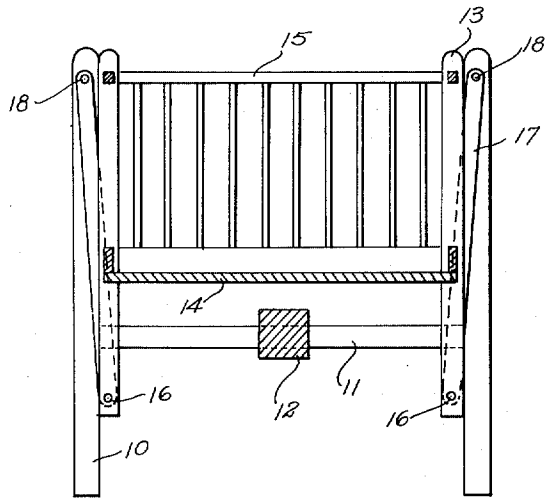


FIG. 4.

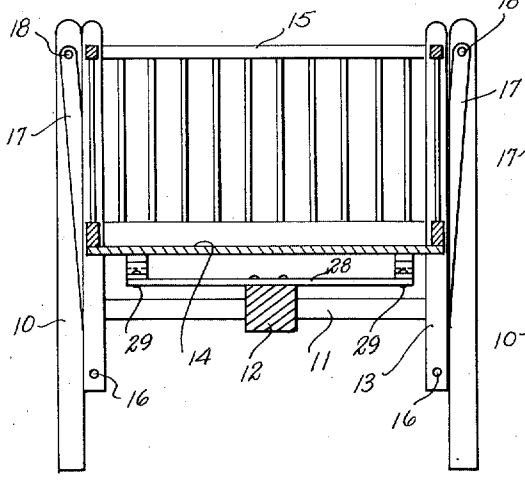
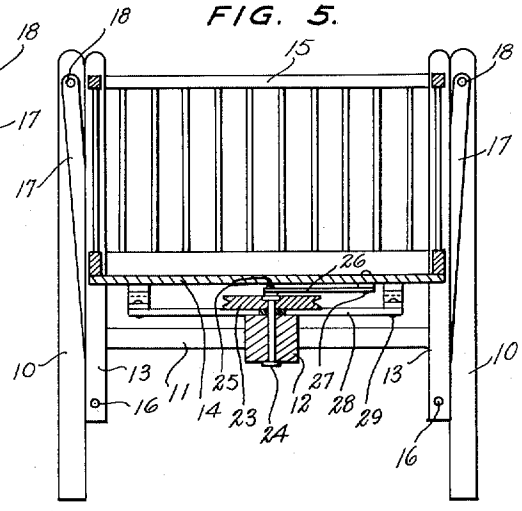


FIG. 5.



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UNITED STATES PATENT OFFICE

2,531,858

CRADLE

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Application June 17, 1947, Serial No. 755,170

1 Claim. (Cl. 5—109)

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This invention relates to a cradle, and more particularly to a rocking cradle for infants.

A primary object of this invention is the provision of an improved rocking cradle having motor means associated therewith for imparting a rocking motion.

An additional object of the invention is the provision of guide means associated with the frame of such a cradle, whereby rotary motion of a pulley driven by the motor is translated to linear rocking movement of the cradle.

Another object of the invention is the provision of such a device which is sturdy and durable in construction, reliable and efficient in operation, and relatively simple and inexpensive to manufacture and assemble.

Other objects will in part be obvious and in part be pointed out as the description of the invention proceeds, and shown in the accompanying drawings, wherein there is disclosed a preferred embodiment of this inventive concept.

In the drawings:

Figure 1 is a side elevational view of one form of cradle embodying features of the instant invention.

Figure 2 is a sectional view taken substantially along the line 2—2 of Figure 1, as viewed in the direction indicated by the arrows.

Figure 3 is a sectional view taken substantially along the line 3—3 of Figure 1, as viewed in the direction indicated by the arrows.

Figure 4 is a sectional view taken along the line 4—4 of Figure 1, as viewed in the direction indicated by the arrows.

Figure 5 is a sectional view taken substantially along the line 5—5 of Figure 1, as viewed in the direction indicated by the arrows.

Similar reference characters refer to similar parts throughout the several views of the drawings.

Referring now to the drawings in detail, the device of the instant invention comprises a main frame including four spaced uprights 10, the two at either end of the frame being connected by transverse members 11, between which members extends a longitudinal supporting beam 12. The cradle is comprised of four uprights 13, a base 14 upon which the infant's bed is adapted to be positioned, and guard rails 15 to preclude the infant's falling from the cradle. The uprights 13 extend a substantial distance below the bottom 14, and are pivotally connected, as by pivots 16, to supporting members 17 extending from the lower ends of the uprights 13 to the upper ends of the uprights 10 to which they are pivotally connected, as by pivots 18.

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Secured to the side of the beam 12 at an intermediate point is an electric motor 20 which drives a pulley 21, which in turn, through a belt 22, drives a pulley 23 mounted on an axle 24 extending through the beam 12. Pulley 24 has pivotally secured to a peripheral point thereof, as by a pivot 25, a pitman 26, the opposite end of which is secured, as by a pivot 27, to the under side of the base 14 of the cradle.

Transversely extending bars 28 are secured to the top of the beam 12 and provided at their extremities with pivots 29, movable in slots 30 in the extremities of levers 31, the opposite ends of which are in turn pivotally secured, as by pivots 32, to the under side of base 14.

From the foregoing, it will now be seen that when the motor is energized to rotate the pulley 23, the pitman 26 will impart transverse rocking movement to the cradle, the movement being limited against longitudinal play by means of the guide bars 28, and their associated pivotal connections in the base of the cradle.

Thus, there is herein provided an improved rocking cradle which accomplishes all the objects of this invention, and others, including many advantages of great practical utility and commercial importance.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore described, it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

In a cradle and cradle frame assembly including an elongated, rectangular cradle, an elongated cradle frame having a length greater than the length of the cradle, upstanding ends including corner posts higher than said cradle, and a longitudinal beam extending between and connected at its opposite ends to the respective frame ends, respective links extending from said corner posts near the upper ends of the latter to said cradle near respective bottom corners thereof suspending said cradle in said frame for swinging movements from side to side, and motor driven means mounted on said longitudinal beam and connected to said cradle for imparting reciprocating, lateral swinging movement to the latter, means restraining said cradle against longitudinal and turning movements comprising, two bars secured to and extending perpendicularly across said longitudinal beam near respective ends of said cradle, respective links extending between the ends of said bars and the adjacent corners of said cradle and means pivotally connecting said

links to said bars and said cradle and providing lost motion connections between said links and said bars, said links and said bars providing with the corresponding ends of said cradle parallelograms connected respectively between the ends of said cradle and said longitudinal beam to restrain said cradle against longitudinal movement relative to said beam and against angular or turning movements relative to said beam.

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