A. J. LAWSON.

AUTOMATIC ROCKING CRADLE.

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1,374,507.

Patented Apr. 12, 1921.

Fig. 1.

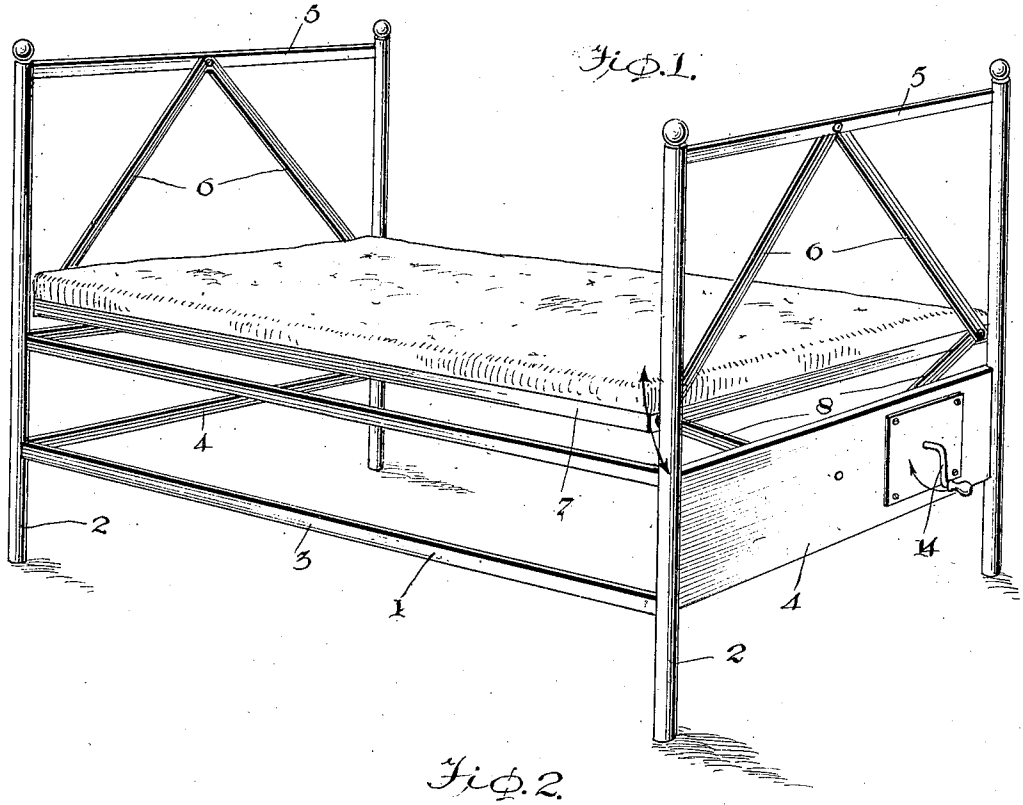
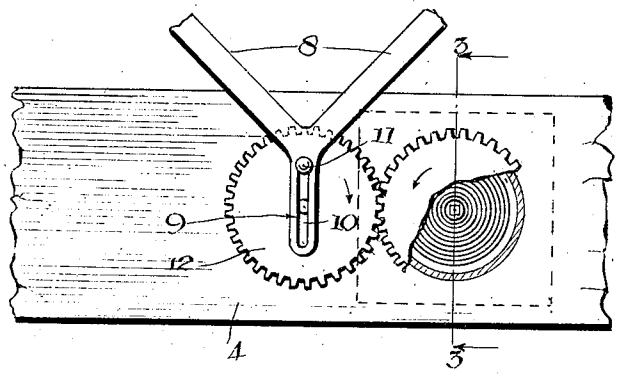


Fig. 2.



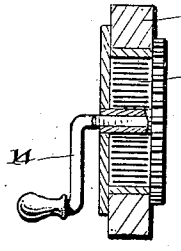


Fig. 3.

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UNITED STATES PATENT OFFICE.

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AUTOMATIC ROCKING CRADLE.

1,374,507. Specification of Letters Patent. Patented Apr. 12, 1921.

Application filed October 2, 1920. Serial No. 414,289.

To all whom it may concern:

Be it known that I, AUBREY J. LAWSON, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Automatic Rocking Cradles; and I do hereby 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.

This invention relates to new and useful improvements in cradles and has for its primary object the provision of means for imparting rocking motion to the device for a considerable length of time without manual attention.

Another object of this invention is the provision of an automatic rocking cradle of the above stated character which will be simple, durable and efficient, and which may be manufactured and sold at a comparatively low cost.

With these and other objects in view as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination, and arrangement of parts as will be hereinafter more fully described and claimed.

For a complete understanding of my invention, reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a perspective view illustrating an automatic rocking cradle constructed in accordance with my invention.

Fig. 2 is a detail view illustrating the means for imparting rocking motion to the cradle.

Fig. 3 is a detail sectional view illustrating a spring motor.

Referring in detail to the drawing, the numeral 1 indicates a supporting structure consisting of pairs of end posts 2 connected by longitudinally and transversely extending members 3 and 4 respectively. The posts 2 project above the connecting members 3 and 4 and have their upper ends connected by transverse braces 5 to which are pivoted substantially triangular shaped hangers 6. The apexes of the hangers 6 are pivotally connected to the transversely extending braces 5 and the ends of the hangers 6 are secured to the ends of a cradle or bed frame 7. The ends of the hangers 6 are pivoted to the ends of the frame 7 adjacent the side members thereof and a substantially V-shaped actuating member 8 has the ends of its arms secured to one end of the frame 7 while its apex has formed thereon an extension 9 provided with a slot 10 to receive a wrist pin 11 eccentrically secured to a wheel 12. The wheel 12 is driven by a spring mechanism 13 so that upon rotation of the wheel, the bed or cradle frame 7 will be rocked back and forth on its pivotal connection with the transversely extending braces 5. A handle 14 is provided for winding the spring.

While I have shown and described the preferred embodiment of my invention, it will be understood that minor changes in construction, combination, and arrangement of parts may be made without departing from the spirit and scope of the invention as claimed.

Having thus described the invention what I claim is:

An automatic rocking cradle comprising a supporting structure including pairs of end posts connected by longitudinally and transversely extending members, transversely extending braces connecting the upper ends of the posts in pairs, hangers pivoted to the braces, a bed frame supported by said hangers, a substantially V-shaped actuating member secured to one end of the bed frame and having a slot in its apex, a wheel supported by the supporting structure, an eccentric wrist pin on said wheel and fitting in the slot, and means for rotating the wheel.

In testimony whereof I affix my signature in presence of two witnesses.

AUBREY J. LAWSON.

Witnesses:

WM. A. LYNCH,

D. J. CHANCE.