

M. DEMLINGER.

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1,418,541.

Patented June 6, 1922.

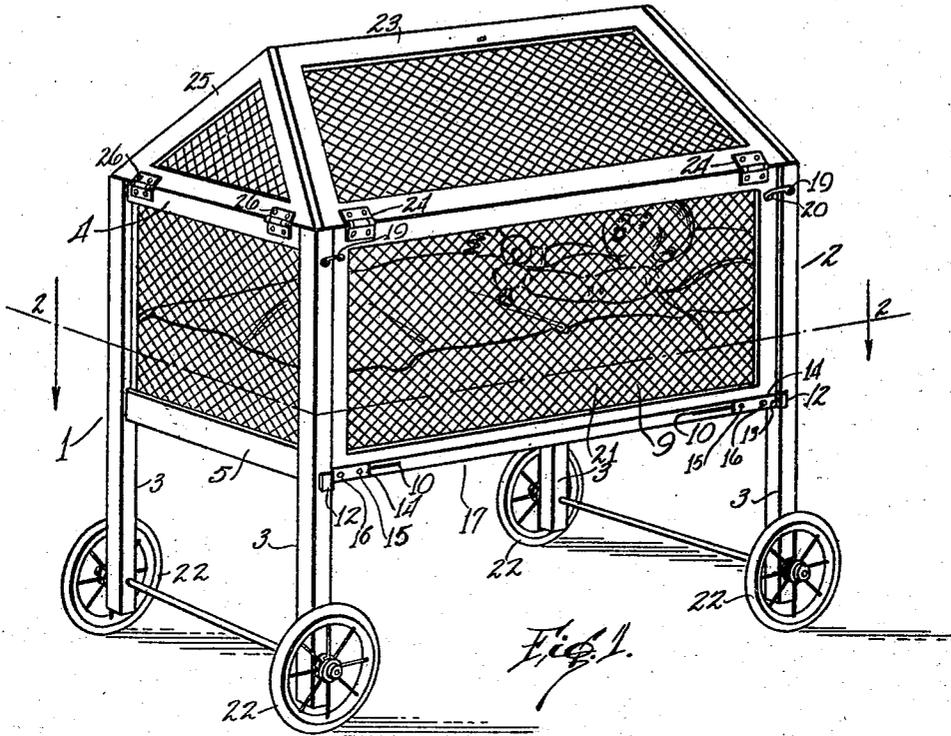


Fig. 1.

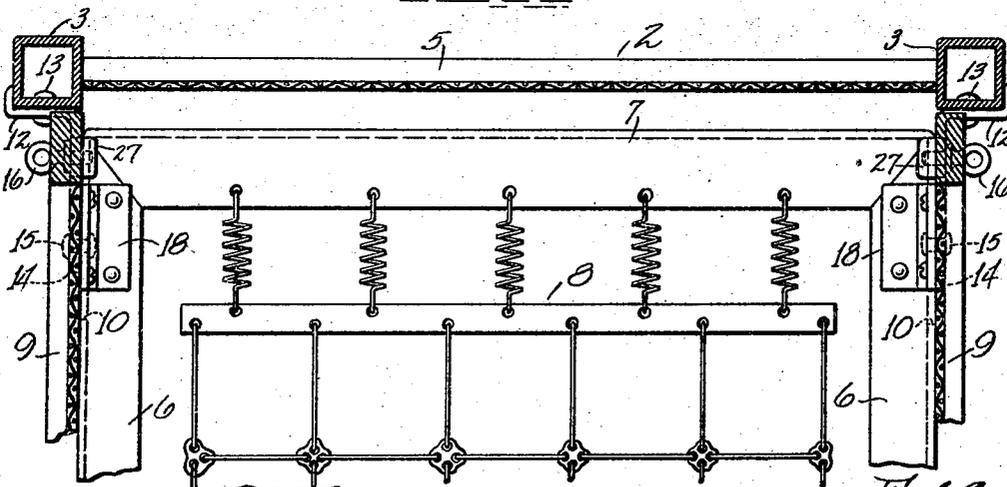


Fig. 2.

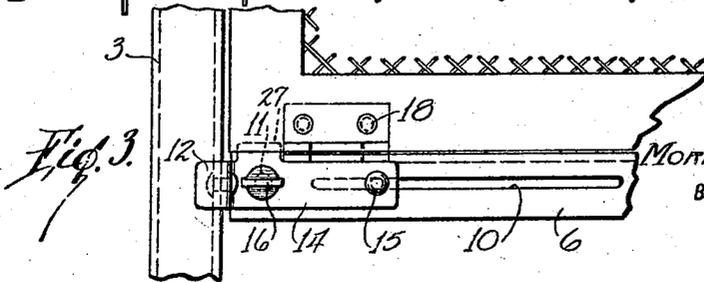


Fig. 3.

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# UNITED STATES PATENT OFFICE.

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CRIB.

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To all whom it may concern:

Be it known that I, MORRIS DEMLINGER, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Cribs, of which the following is a full, clear, and exact description.

My invention relates to child's crib or bassinet, and it consists in the combinations, constructions, and arrangements herein described and claimed.

An object of my invention is to provide a crib that can be folded into compact form for convenience in transporting and storing the same when not in use.

A further object of my invention is to provide a device of the character described having means for maintaining the foldable parts thereof in set-up condition.

A further object of my invention is to provide a crib having sides and ends foldable into adjacent horizontal planes and means for locking the foldable sides and ends together to preclude movements therefrom from vertical planes.

A further object of my invention is to provide a device of the character described that consists of relatively few parts, is strong and durable in construction, and thoroughly practical commercially.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claim.

My invention is illustrated in the accompanying drawings, forming part of this application, in which—

Figure 1 is a perspective view of a crib embodying the invention,

Figure 2 is an enlarged sectional view through a fragmentary portion of the crib along the line 2—2 of Figure 1, and

Figure 3 is an enlarged side elevation of a fragmentary portion of the mechanism shown in Figure 2.

In carrying out my invention, I provide similar ends indicated generally at 1 and 2. Each of these ends embodies a pair of parallel vertical supporting members or legs 3—3, connected at their upper ends by a cross member 4 and intermediately by a cross member 5. The supporting members or legs 3—3 are preferably hollow for lightness and square in section as shown.

The ends 1 and 2 are connected by a

rectangular mattress-supporting frame having side bars 6—6 connected by end bars 7—7. The side and end bars of the mattress-supporting frame are preferably formed of angle irons, each arranged with one leg thereof in vertical position and with the other leg thereof extending inwardly. The mattress-supporting frame carries the usual spring and wire netting arrangement, indicated generally at 8, on which the mattress 9 (see Figure 1) is placed. Each of the side bars 6 has longitudinally extending guide slots 10 in the vertical leg thereof adjacent to its ends. A threaded opening 11 extends through the vertical leg of each of the side bars 6 intermediate the outer end of the guide slot 10 and the adjacent end of the bar 6.

A bracket 12 is provided for each of the supporting members 3. These brackets are arranged in pairs and are attached to the supporting members 3 by means of rivets 13, or the like, so that pairs of bracket arms 14, which extend at right angles to the cross member 5, are arranged to straddle the vertical legs of the side frame bars 6 adjacent to opposite ends thereof. A guiding and retaining member 15, which may be a rivet, is carried by each of the bracket arms and is partly projected through the adjacent guide slot 10, being upset at its inner end to prevent displacement thereof. It will thus be apparent that the end members 1 and 2 are pivotally and slidably attached to the mattress-supporting frame. A locking member 16, which may have the form of a thumb screw, is carried by each of the bracket arms 14 and may be projected into the adjacent opening 11 in the vertical leg of the proximate side bar 6 when the guiding and retaining member 15 has been moved along the guide slot 10 to a point adjacent to the outer end of the latter and the supporting leg 3 is in upright position. When both pairs of supporting legs have been locked to the mattress-supporting frame in this manner, movement of the ends 1 and 2 relatively to the mattress-supporting frame is prevented and a rigid structure is thus provided.

A pair of side members, indicated generally at 17—17, are attached at their edges by hinges 18 to the side bars 6—6, whereby the side members 17 may be swung inwardly to lie in superposed relation on the mattress 9. Hooks 19, carried by the sup-

porting members 3 at their upper ends, normally engage with eyelets 20 carried by the side members 17 to maintain the latter in vertical position, as illustrated in Figure 1. Each of the sides 17 and each of the ends 1 and 2 may be equipped with a suitable screen, such as indicated at 21. The supporting legs 3 may likewise be supported on wheels 22, whereby the device may be moved readily about a room when in set-up condition. The ends 1 and 2 may also be provided with means for covering the crib to protect a child placed therein from flies and other insects. To this end, an auxiliary side frame 23 is provided for each of the primary side members 17 and is attached to the latter by hinges 24. A triangular frame member 25 is provided for each of the ends 1 and 2 and is attached to the latter by means of hinges 26. The auxiliary side members 23 and 24 are equipped with screens, as illustrated, and are arranged to cooperate, when in the positions illustrated in Figure 1, to provide a cover for the device.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. When the device is in set-up condition, a rigid structure is attained and the crib may be moved readily about a room as a unit. The device may be placed in condition for storage or transportation in the following manner. The auxiliary side members 23 are swung outwardly and downwardly about the hinges 24 against the side members 17. The hooks 19 are then moved out of engagement with the eyelets 20 and the side members 17 are swung inwardly to lie in superposed relation on the mattress 9. The triangular frame members 25 are likewise swung outwardly about the pintles of the hinges 26. The locking members 16 are then withdrawn from the openings 11. The end 1 is then moved about the axis of its pivots 15 until in a plane substantially parallel with the mattress-supporting frame and is then slid-

ably moved toward the end 2. The latter is now swung about the axis of its pivotal connection with the mattress-supporting frame, and may be arranged to overlie the end 1, since the bracket arms 14 carried by the end 2 are slightly longer than the bracket arms carried by the end 1. It will thus be manifest that all parts of the crib will be folded into compact form when the device is in knockdown or collapsed condition.

It is important to note that each bracket arm 14 has a laterally extending integral lug 27 arranged to overlie the adjacent side bar 6 of the mattress-supporting frame when the crib is in set-up condition. The lugs 27 constitute stop members that limit the movements of the ends 1 and 2 downwardly about their pivotal connections and relieve the locking pins 16 of any strain to which these members might be subjected otherwise.

I claim:

A device of the character described comprising a substantially rectangular mattress-supporting frame, said frame being formed with pairs of longitudinally extending guide slots in the sides thereof adjacent to their ends and with an opening through each side between the outer end of each guide slot and the adjacent end of the frame, a pair of normally upright end members, a pair of brackets carried by each end member and provided with arms adapted to straddle the slotted end portion of the frame, a guiding and retaining member carried by each bracket arm and partly disposed in the adjacent guide slot, whereby each end member is pivotally and slidably attached to the mattress-supporting frame, and a locking member carried by each bracket arm and adapted to be moved at will into engagement with the adjacent second named opening through the mattress-supporting frame when the end member is in upright position to prevent movement of the end member relatively to the mattress-supporting frame.

MORRIS DEMLINGER.