Aug. 29, 1950 H. S. MAGUIRE 2,520,846

COLLAPSIBLE BABY CRIB CONVERTIBLE TO PLAY PEN

Filed Sept. 13, 1946

FIG. 2

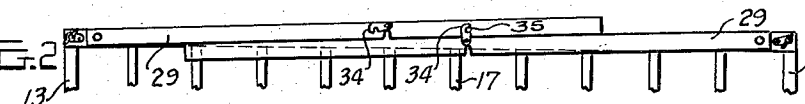


FIG. 1

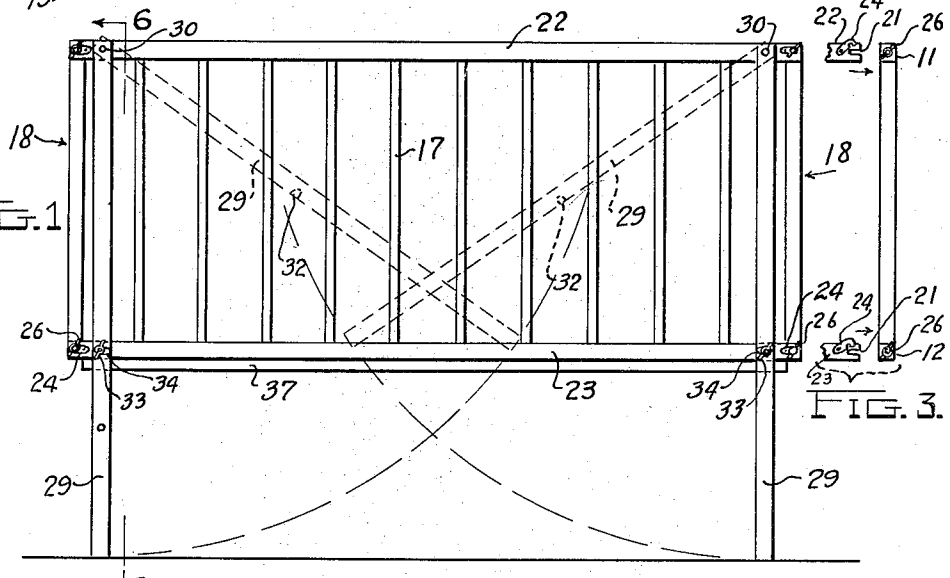


FIG. 3.

FIG. 4.

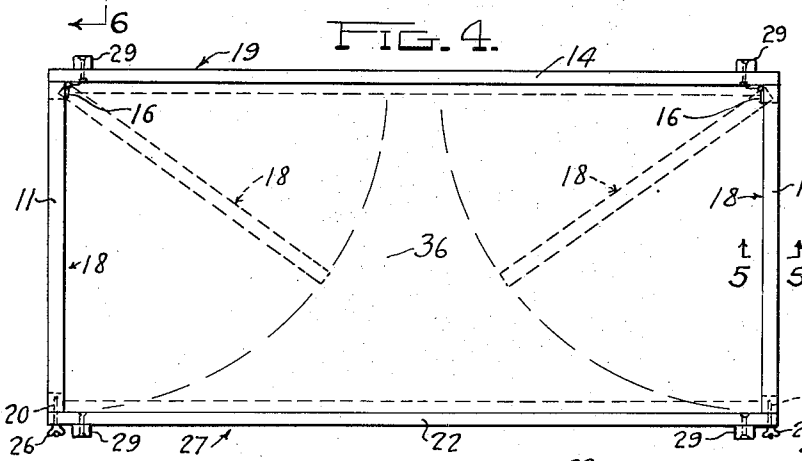


FIG. 5.

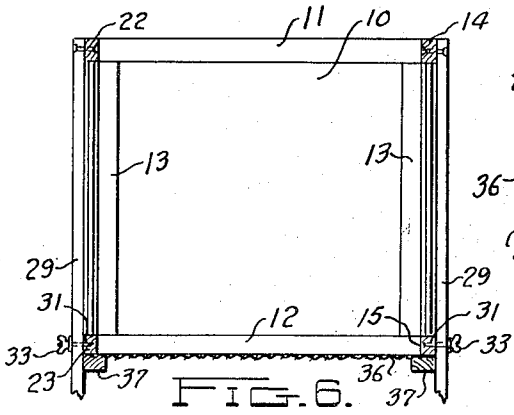


FIG. 6.

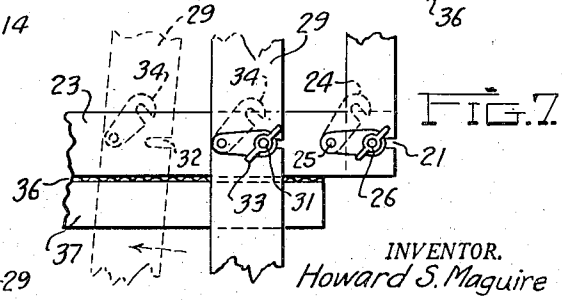


FIG. 7.

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COLLAPSIBLE BABY CRIB CONVERTIBLE TO PLAY PEN

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4 Claims. (Cl. 5—99)

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This invention relates to a combined travel baby crib and play pen of the collapsible type. The primary object of this invention is to provide a crib which is inexpensive, light but sturdy, which can be easily adapted to a child's play pen and which can be quickly collapsed into a single compact unit of a size convenient for traveling.

The improvement of this invention over other collapsible cribs lies in its unique construction wherein the supporting legs are not an integral part of the side or end construction and therefore may be collapsed to permit the bottom of the crib to rest on the floor and in this position still retain the rigidity necessary for a child's play pen.

In the drawings:

Figure 1 is a side elevation of a folding crib embodying my invention.

Figure 2 is a side elevation of the upper portion of the crib showing the legs in the folded position.

Figure 3 is a detail view of a corner of the crib.

Figure 4 is a top view of the crib.

Figure 5 is a sectional view through 5—5 of Figure 4.

Figure 6 is a sectional view through 6—6 of Figure 1.

Figure 7 is a detail view of the latch construction on the legs and side rails.

In the drawings 10 indicates a plywood panel at each end of the crib securely fastened to upper and lower end rails, 11 and 12 respectively, and reinforced along both vertical edges by upright members 13 which are also secured to the upper and lower end rails 11 and 12. On one side of the crib the upper and lower end rails 11 and 12 are pivotally connected to the upper and lower side rails, 14 and 15 respectively, by a metal hinge 16 so as to permit both end guards 18 to fold inwardly flush with the side guard 19. Vertical rungs 17 connect the upper and lower side rails. On the other side of the crib a threaded stud 20 protrudes from the end face of the end rails 11 and 12 and is received by a horizontal transverse slot 21 formed in the ends of the companion side rails 22 and 23. Metal safety latches 24 are secured to the outer surface of said side rails 22 and 23 at 25 adjacent and in line with the slots 21 so that they may be snapped downward over the threaded studs 20 protruding through the slots 21. The latches 24 provide a rigid connection between the side guard 27 and the end guards 18. However as a safety measure studs 20 are provided with wing nuts 26 which lock the latch 24 over the stud 20 and positively prevents any chance of collapse of the bed while in use.

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Four legs 29 are pivotally connected to the upper side rails 14 and 22 at 30 adjacent the latches 24. The outer surface of the lower side rails 15 and 23 is provided with a protruding threaded stud 31 at a point directly below the pivotal connection 30 on the upper side rails 14 and 22. Said stud 31 is received by a horizontal transverse slot in the leg extending from the edge of the leg facing the end of the crib to the center thereof. Each of said studs 31 is provided with a wing nut 33 which when tightened locks the latch 34 over the stud 31 and maintains the leg 29 in an upright position. One leg on each side of the crib is provided with a holding pin 35 protruding from outer surface of said leg and positioned such that it is engaged by the latch 34 on its companion leg when both legs are pivoted upward toward the center of said side guards 19 and 27 in a substantially horizontal position.

The bottom construction of the crib consists of a piece of canvas 36 or other yielding material secured between the bottom of said lower side rails 15 and 23 and reinforcing members 37.

When the crib is used as a play pen the wing nuts 33 retaining the legs upright are loosened and the latches 34 and studs 31 are disengaged. The legs may then be pivoted upward and the safety latch 34 engages the holding pins 35 on its companion leg thereby retaining both legs in a somewhat horizontal position. The bottom of the crib then rests on the floor and a sturdy play pen is provided.

To fold the crib for storage or carrying purposes, the legs are pivoted up as described above and the wing nuts 26 securing the side guard 27 to the end guards 18 are loosened. The companion studs 20 are disengaged by an upward rotation of the latches 24 and the side guard 27 is detached from the end guards 18 by a slight outward thrust on the end guards. The end guards 18 may then be folded in flush with the side guard 19 and the other side guard 27 is drawn to the folded end guards 18 to make a single compact unit.

Thus it can be seen that by providing legs independent of the body construction of the crib together with the collapsing means described, the crib can be readily converted into a sturdy play pen or folded into a unit small enough to carry in the ordinary car. The yielding nature of the fabric bottom adds to the convenience of this crib because it does away with the necessity of carrying a bulky mattress whenever transportation of

the crib is necessary for vacation or visiting purposes.

What I claim is:

1. A collapsible crib and play pen comprising a pair of end panels, a pair of side panels connecting said end members in spaced relation to form a generally rectangular crib section, said side panels each having an upper and lower rail along the upper and lower edges thereof, said end members being hinged to the upper and lower rails of one side panel and detachably connected to the upper and lower rails of the other side panel, means attached to the lower rails of each side panel connecting said side panels together and forming a flexible supporting surface at the bottom of said crib section, and leg members for supporting said crib section in an elevated position relative to a floor surface, said legs being pivotally connected at their upper ends to said upper rails and detachably connected at a point intermediate their length with said lower rails.

2. A collapsible crib and play pen comprising a pair of end panels, a pair of side panels connecting said end panels in spaced relation to form a generally rectangular crib section, said end panels being pivotally connected to one of said side panels and detachably connected to the other side panel so as to be foldable inwardly against one of said side panels when it is desired to collapse said crib, means attached to the lower edges of said side panels forming a flexible supporting surface at the bottom of said crib section and connecting said side panels together, and leg members for supporting said crib section in an elevated position relative to a floor surface, said leg members being pivoted at their upper end adjacent the upper edge of said side panels and detachably connected at a point intermediate their length with the lower portion of said side panels.

3. A collapsible crib and play pen comprising a pair of end panels, a pair of side panels connecting said end panels in spaced relation to form a generally rectangular crib section, means hingedly connecting said end panels to one of said side panels, means detachably connecting said end panels to the other side panel, a flexible supporting surface spanning said side panels and attached to the lower edges thereof, leg members for supporting said crib section in an elevated position relative to a floor surface, means pivotally connecting the upper ends of said leg members adjacent the upper edge of said side panels and means detachably connecting said leg members at a point intermediate their length with lower portion of said side panels, said first and second mentioned detachable connecting means comprising a stud projecting from one of the members to be connected, an elongated slot in the edge of the companion member for receiving said stud when the pivotally connected member is pivoted to the assembled position, and means for locking said stud in said slot to hold said members in the assembled position.

4. The combination as set forth in claim 3 wherein said locking means comprises a latch pivoted on the slotted member for engagement with said stud and a nut threaded on said stud for clamping said companion members together and for holding said latch in the latched position.

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