

March 24, 1953

L. H. BERK ET AL

2,632,186

PORTABLE COMBINATION CRIB AND PLAYPEN

Filed Aug. 20, 1947

Fig. 1

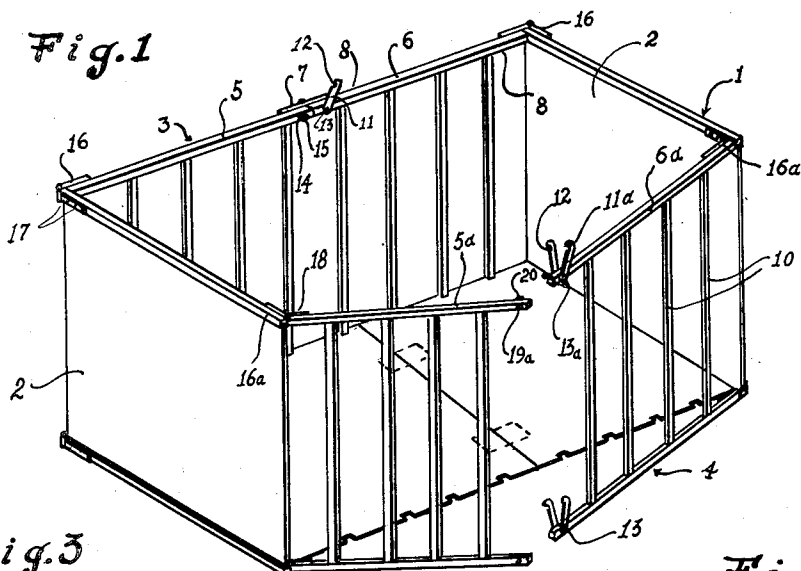


Fig. 3

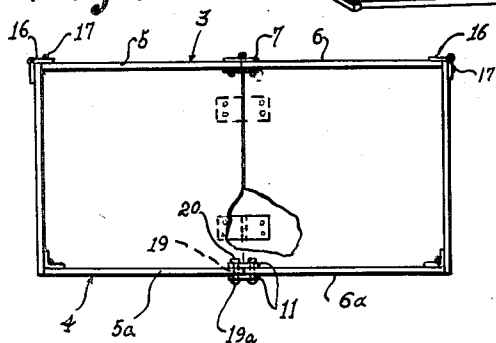


Fig. 2

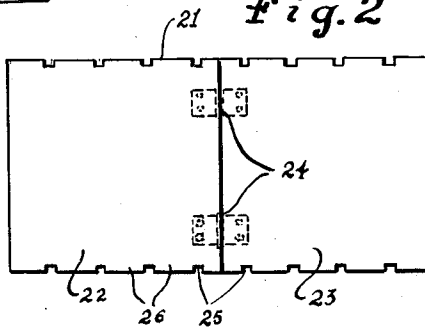
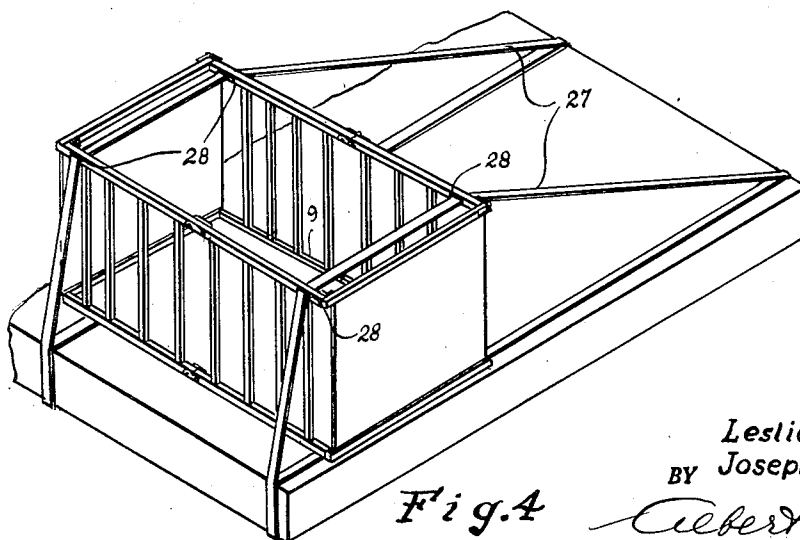


Fig. 4

INVENTORS
Leslie H. Berk
BY Joseph C. Bullock

Robert F. Robinson
THEIR ATTORNEY

UNITED STATES PATENT OFFICE

2,632,186

PORTABLE COMBINATION CRIB AND
PLAYPENLeslie H. Berk, Lakewood, and Joseph C. Bullock,
Cincinnati, Ohio

Application August 20, 1947, Serial No. 769,644

5 Claims. (Cl. 5—99)

1

This invention relates to a portable combination baby bed or crib and play pen, and pertains more particularly to one which is collapsible for being readily folded into a compact bundle for being conveniently handled and transported, and can be easily set up and collapsed.

While baby beds or cribs are more or less small and light in weight as compared with conventional beds or cots for adults, they are still too large and heavy to be easily portable, particularly for travel away from home. The mattress and springs are especially heavy and bulky, making them difficult to pack for travel. One traveling with small children usually must carry along a baby bed or crib because it is necessary for confining small children when sleeping, and such are not always available with other sleeping accommodations at hotels, tourist camps, on trains and in homes where one is visiting.

The aim of the invention is to provide a baby bed or crib which can be placed on a conventional adult bed and utilize the springs and mattress thereof rather than requiring special ones. The bed or crib is provided with sides and ends connected at their adjacent ends. Each of the two sides is preferably twice the length of one of the ends, and is comprised of two sections hinged or joined together so that when the two sections are folded, the folded side sections will be of the same length as the end pieces. The two folded sections of each of the two sides and the two end pieces being equal in length, all can be readily stacked into a neat and compact package for being easily carried. The adjacent ends of the sides and the ends may be suitably attached together.

The assembled sides and ends are placed on a conventional adult bed at any desired portion and fastened thereon by suitable fastening means.

The baby bed or crib may be used as a play pen when not in use as a bed or crib, and floor sections may be used, and, if so, they are preferably of the same dimensions as the other sections, so that they too may be packed with the end pieces and side sections.

For a better understanding of the invention, reference is made to the accompanying drawings in which:

Fig. 1 is a perspective view of a baby bed or crib, including a bottom or floor section, embodying the invention;

Fig. 2 is a plan view of the upper side of the bottom or floor section;

Fig. 3 is a top plan view of the device when completely set up; and

2

Fig. 4 is a perspective view of the device fastened in position on a portion of an adult bed.

Referring specifically to the drawings, in which like numerals are used to designate like parts, numeral 1 refers generally to the bed or crib, composed of opposite end pieces 2 and side pieces 3 and 4. The side pieces are each in two sections 5 and 6. The end pieces are of duplicate construction.

The two sections 5 and 6 of side pieces 3 are pivoted together with hinges 7, one hinge being on the top rail 8 and another hinge being on the bottom rail 9 of the sections. The hinges are on the outside surface of the rails. Vertical posts 10 are spaced apart between the top and bottom rails of the side pieces.

A latch or hook 11 having an open slot 12 in from the bottom edge adjacent one end is pivoted at the opposite end to the end of the top and bottom rails by means of screws 13. A screw 14 with its head 15 projecting is fitted to the inside surface near the end of an adjacent rail to engage with the slot 12 in the latch or hook 11 when the device is set up.

The opposite ends of the rails are pivoted to the end pieces by hinges 16 secured by screws 17. The portion of the hinge on the side piece is spaced from the end of the rail for a distance equal to the thickness of the rail on the side pieces. Thus, when the device is set up the ends of the rails of the side pieces will abut against the inside faces of the rails of the end pieces and have the outside surfaces of the rails in the side pieces flush with the ends of the rails in the end pieces.

The sections 5a and 6a of the other side piece 4 are also pivoted to the end pieces in like manner by hinges 16a applied to the inside corners. One portion of the hinge is attached to the surface of the rail of the end piece with the joint 18 of the hinge at the vertical corner edge. The other portion of the hinge is attached to the surface of the rails of the side sections of the side piece with a sufficient portion extending between the hinge joint and the end of rails of the side piece so that the ends of said rails will abut against the inside surface of the rails of the end piece when the device is set up.

The sections of the side piece are secured by two latches or hooks 11a pivoted at 13a to the inside and outside surface of the rails. The hooks or latches are slotted at 12 to engage with a bolt 19 extending through the end of the rail in the other section of the side piece. The bolt 19 has a projecting head 19 on one end and a wing

3

nut 20 on the opposite end in order that the free ends of the latches may be drawn tightly together against the rails when the device is set up. A device of the construction above described is solid and rigid when set up in position for use.

A bottom piece 21 may be used with the bed or crib for converting same into a play pen. The bottom piece comprises sections 22 and 23 hinged together at 24. Notches or recesses 25 are provided along the edges of the bottom sections in spaced apart relation to correspond with the spacing of the vertical posts in the side pieces. The intervening portions or projections 26 on the edges of the bottom or floor piece, resulting from the notches or recesses, project to be substantially flush with the outer surface of the bottom rails on the side pieces.

The bed or crib, with the bottom section preferably removed, may be secured by straps 27 upon an adult bed. Recesses 28 are advantageously provided in the opposite ends of each of the top rails of the side pieces for receiving the straps which are run through the recesses 28 and secured to the sides of the adult bed beneath the baby bed or crib.

In collapsing the gate device, the sections 5a and 6a are unlatched so that they and the ends 1 and 2 can be swung outwardly and away from each other and the bottom, each as a unit, upon the outside hinges 16. When these sections have been swung apart sufficiently to release the bottom 21, they will be swung inwardly upon hinges inside 16a for each to lie alongside one of the end sections 2. Then section 6 of one unit will be swung around on hinge 16 to lie alongside the section 2 on the side opposite to section 6a. Likewise section 5 of the other unit will be swung around on the other hinge 16 to lie alongside the section 2 on the side opposite to section 6a.

The device may be of any suitable material, such as wood, metal or the like light materials. The end pieces are preferably of solid or closed construction rather than being open work like the side pieces. However, the kind of material used for making the sections and their construction, other than above described, is not material.

While a preferred embodiment of the invention has been illustrated and described in detail, it will be understood that there may be various changes in the details of construction without departing from the spirit of the invention.

We claim:

1. A collapsible baby crib or bed comprising two opposite end pieces of equal dimensions, two side pieces having spaced vertical posts, each of which is composed of sections of about the same dimensions as an end piece, hinge means pivoting the side pieces to the end pieces with each of the side pieces abutting against the end pieces when the bed or crib is set up, hinge means for pivot-

4

ing together the sections of one of the side pieces, a pivoted latch for securing together the sections of the other side piece, and a bottom or floor provided with alternating recesses and projections along opposite edges for interfitting with the spaced vertical posts of the side pieces.

2. A structure as set forth in claim 1 in which the bottom or floor is composed of hinged sections, each of which is of equal dimensions with a section of the side pieces.

3. A collapsible baby crib or bed comprising two end pieces of equal dimensions, two sectional side pieces, each of which is composed of sections of substantially the same dimensions as an end piece, hinge means pivoting the side pieces to the end pieces, with the ends of the side pieces abutting against the end pieces when the bed or crib is set up, hinge means for pivoting together the sections of one of the side pieces, a pivoted latch for securing the hinged sections of said side piece in alignment, and a pivoted latch for securing together the sections of the other side piece.

4. A collapsible baby crib or bed comprising two end pieces of equal dimensions, two sectional side pieces, each of which is composed of sections of substantially the same dimensions as an end piece, hinge means pivoting the side pieces to the end pieces, with the ends of the side pieces abutting against the end pieces when the bed or crib is set up, hinge means for pivoting together the sections of one of the side pieces, a pivoted latch for securing the hinged sections of said side piece in alignment, and a double pivoted latch for securing together the sections of the other side piece.

5. A collapsible baby crib or bed as set forth in claim 4 including means for drawing the double pivoted latch tightly against the surfaces of the sections of the side piece which are secured by said latch.

LESLIE H. BERK.
JOSEPH C. BULLOCK.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,463,459	Comstock	July 1, 1923
1,840,689	Baker	Jan. 12, 1932
2,135,517	Isbell	Nov. 8, 1938
2,571,297	Schindler	Oct. 16, 1951

FOREIGN PATENTS

Number	Country	Date
591,902	Germany	Jan. 29, 1934
546,053	Great Britain	June 25, 1942