

Feb. 19, 1952

H. MOVER

2,586,247

PORTABLE INFANT'S CRIB

Filed April 17, 1950

2 SHEETS—SHEET 1

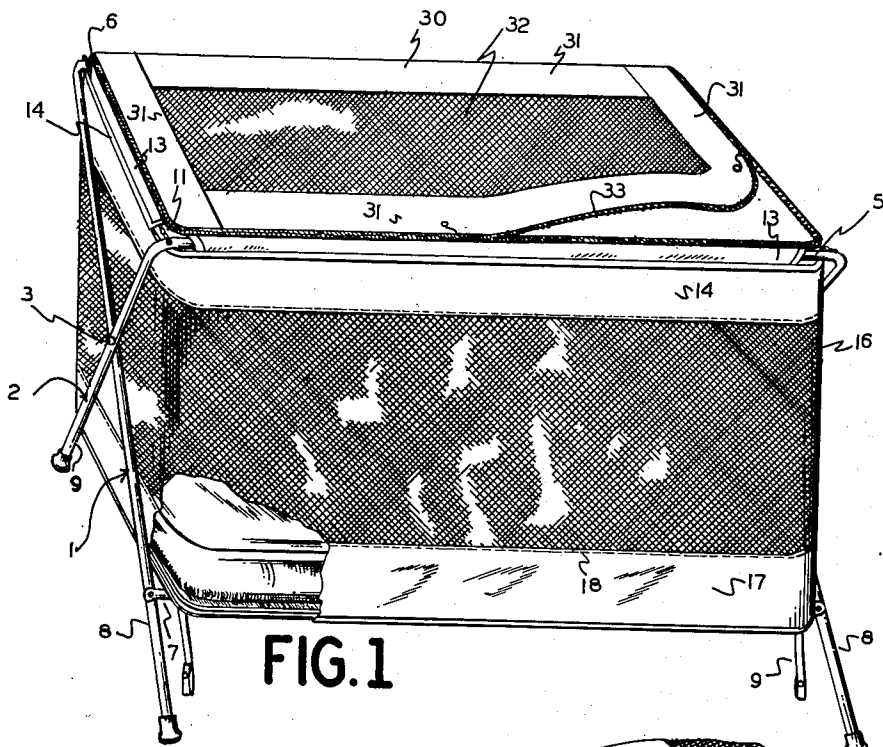


FIG. 1

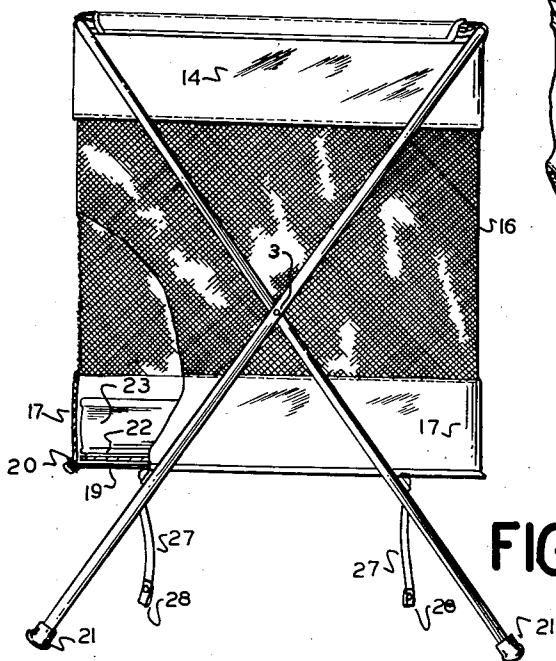


FIG. 2

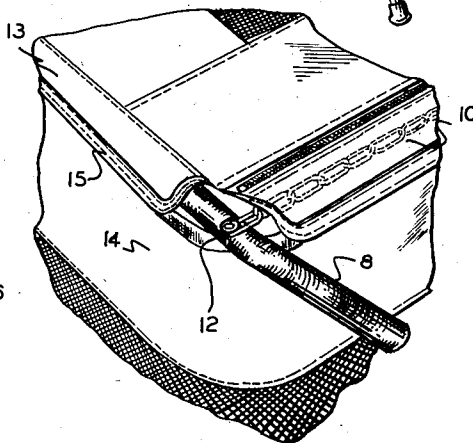


FIG. 5

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 Rebecca Mover, Executrix  
 of last will and testament.  
 By *Ezekiel Wolf*  
 her attorney.

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2 SHEETS—SHEET 2

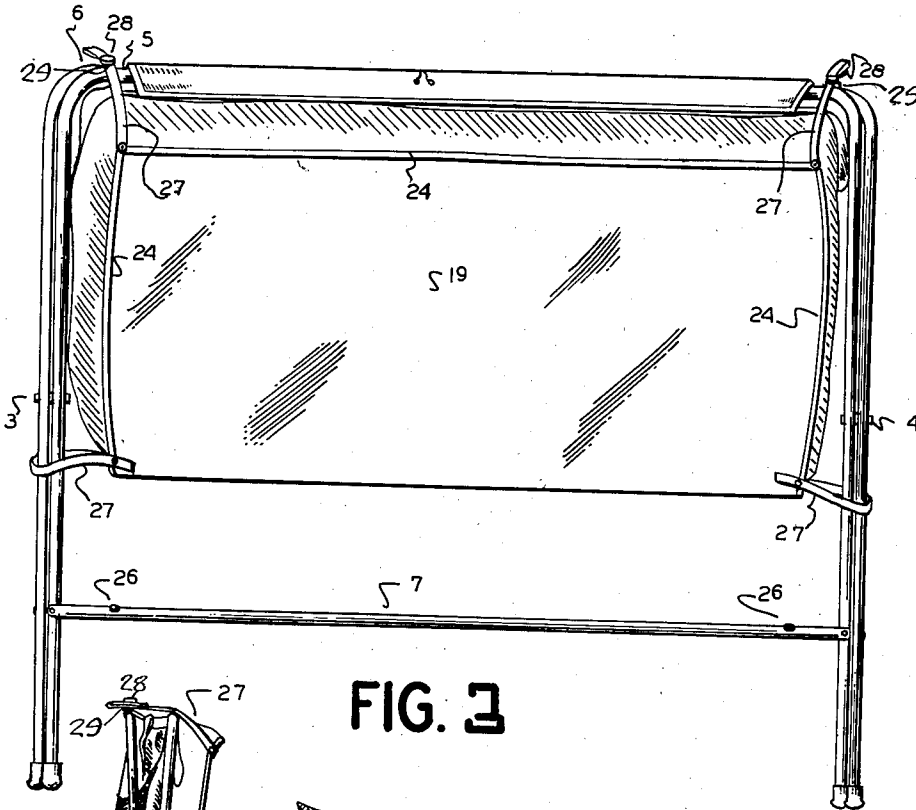


FIG. 3

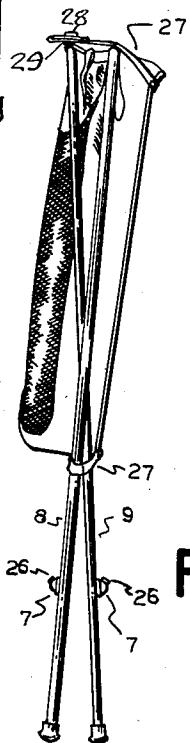


FIG. 4

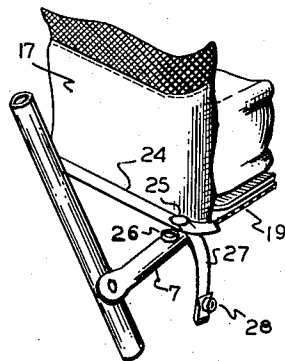


FIG. 5

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# UNITED STATES PATENT OFFICE

2,586,247

## PORTABLE INFANT'S CRIB

Hyman Mover, deceased, late of Marblehead, Mass., by Rebecca C. Mover, executrix, Marblehead, Mass., assignor to Bunny Bear, Inc., Everett, Mass., a corporation of Massachusetts.

Application August 17, 1950, Serial No. 180,016

6 Claims. (Cl. 5—97)

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The present invention relates to a portable crib which can easily be collapsed into a closed position and opened to form an enclosure for use either out-doors or indoors.

The construction of the crib of the present invention provides a comfortable bed which is strong, sturdy, well balanced and when set up is firm, stable and solid, and when it is in its folded position the bundle is compact and will not rattle or become loose while being transported.

In the present invention the mattress of the crib is mounted on a plate or board within the enclosure which is supported by the base or bottom cover of the enclosure of the crib. This bottom cover is large enough to receive the plate or board and crib mattress which is enclosed on four sides by a border of fabric or other similar material stitched to the base, which border may also be of fabric fitting closely around the edge of the mattress so that while the mattress is not stitched to the enclosure in any way it remains substantially in a fixed position relative to the base because of its close fit to the sides and base of the enclosure. In addition to this when the crib is in its open position the base rests on longitudinal supports in which case the board within the enclosure, which board may be made from paper or more durable material, acts as a complete support bridging over the space between the two longitudinal supports of the frame of the crib.

Other details of supporting the enclosure, of the means for tying the crib parts together when the crib is folded and of the structure facilitating the covering and uncovering of the crib top for putting the infant quickly in the crib or taking it out, and additional details and improvements will be more readily understood from the description in the specification annexed hereto when taken in connection with the drawings showing an embodiment of the same, in which:

Figure 1 shows a perspective view of the crib of the present invention in its open position with parts in fragmentary section.

Figure 2 shows an end view as seen from one end of Figure 1.

Figure 3 shows a side elevation of the crib in its folded position.

Figure 4 shows an end view substantially as seen from one end of Figure 3.

Figure 5 shows an enlarged detail of Figure 1 in fragmentary view, and

Figure 6 shows another fragmentary view of a detail of the invention.

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In the figures a sturdy frame is provided by two U-shaped bars 1 and 2, the sides of which are pivoted together by pivots 3 and 4 in a scissors-like fashion, the bases or bight portions 5 and 6 of the U-shaped elements forming longitudinal sides of the enclosure support. This frame may be made of metal tubing, wood composition or other suitable material, and in place of tubing which is preferable, channels or solid rods may be used. Each U-shaped member has cross supports 7 which are riveted to the side members 8 and 9 respectively of the U-shaped members and which extend from one side of each member to the other side thereof. The chain elements 10 and 11 bridge across from one U-shaped element to the other U-shaped element. These chains are attached at the corners of the members just at the bends as indicated in Figure 5 and form flexible side supporting elements for the enclosure. These chains are attached to projecting pins 12 with enlarged heads which extend over the sides of the end links so that while the links are free to slide and turn the chains cannot be removed. The base rods or tubes 5 and 6 of the U-shaped members are covered with sheaths 13 of duck fabric, plastic or other suitable strong material to which a top border fabric 14 is attached by suitable lines of stitching 15. (See Figure 5.)

The top border fabric 14 extends continuously along the side tubes 5 and 6 and along the end chains 10 and 11 forming a continuous border around the whole top of the enclosure. This border of fabric, woven or sheet material, plastic or other suitable composition, has attached to it, preferably a net material 16 which is sufficiently open to permit air to freely pass through the enclosure. This net is stitched to the border 14 which may be four or five inches wide. The net material is at its bottom edges stitched to a second border 17 by a line of stitching 18 extending all around the net, the lower border serving as a support for the bottom of the enclosure. The bottom fabric 19 which may be of durable flexible material is stitched all around its edge to the border 17 by the line of stitching 20. (See Figure 2.) The frame is so constructed so that when the crib is opened and the chains 10 and 11 are stretched tautly between the top sections of the U-shaped bars, the bottom 19 of the crib will rest upon the cross supports 7 which are substantially below the level of the pivots 3 and 4 of the scissors-like ends of the frame. In fact the enclosure extends down to a level about half way between the ends 21 of

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the side bars and the pivots 3 and 4. Within the lower border 17 and resting on the bottom 19 is a board 22 which may be a paper board, fiber or other suitable stiff material. This is of such a size as to cover snugly the whole bottom and on this rests a mattress 23 which also fits snugly on the base and within the border 17. By making the mattress of such a size that it snugly fits in the bottom of the enclosure, it will remain in this position when the portable crib is folded into a closed position.

As has been previously stated the bottom 19 and the lower border 17 are stitched together by through stitching 20 and over this there is a covering tape 24 through which pass clasp sections 25 in positions to engage complementary clasp sections 26 on the cross bar 7, so that in its open position the bottom of the crib may be fixed in place on the cross bars 7. There are also attached to the border tape or strip, straps 27 at the outer end of each of which is provided a clasp element 28. The straps near one side edge of the bottom may be folded around the legs 8 and 9 and the respective elements 28 may be engaged with the adjacent clasp sections 26. Two pairs of such straps are provided, one pair of which may be fastened at the top and the other at the bottom of the pivot cross bar legs. This is shown in Figure 3 where the straps 27 are attached to the border tape 24 at the corners of the bottom 19. The top straps 27 are fastened to clasps 29 on the top longitudinal cross bar elements 5 and 6. In the closed position therefore the bottom of the crib has a substantially vertical position and the mattress 23 is also in a vertical position with the inner face resting against one long side of the netting 16. The top of the crib is closed by a cover which is stitched along one side which is designated as the edge 30 to the upper border element 14. The cover itself is provided with a border strip 31 which frames the top netting piece 32. The border 31 is separably connected to the sheaths 13 by an interlocking fastener structure, as for instance a Zipper indicated at 33. This Zipper may be closed around three sides of the top cover and when the three sides are opened the cover may be thrown back, thus opening the enclosure of the crib completely at the top.

It will be seen from the description above that when the crib is in an open position it will rest very firmly on the ground. The crib may be safely used out of doors, in camping, on beaches, or in any other place. When closed all of the elements remain in one unitary structure and there is therefore no opportunity of any parts to become lost.

The crib is closed very simply, merely by closing the side scissor element about the pivot 3 and then raising up one end of the bottom and clasping it as shown in Figure 3. Before the crib can be folded together, the bottom must be unclasped from the clasp elements 26 on both longitudinal cross bars 7, but this is a simple matter and is readily accomplished merely by a slight pull on the bottom of the enclosure.

Having now described the invention, what is claimed is:

1. A crib comprising an enclosure for receiving a child and a frame for supporting said enclosure, said frame having a pair of oppositely disposed long side elements, netting forming the side and end wall structure of said enclosure, a pair of inverted U-shaped members having the bight portions thereof forming said relatively long side

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elements of said frame, the legs of one of said members crossing the legs of the other member and secured thereto, a fabric secured to said netting and forming a continuous border for said enclosure at the top portion of said wall structure, a flexible element at each end of the crib, said flexible elements being arranged to form the opposite ends of the frame, a sheath member surrounding each side and end of said frame, said fabric being secured to said sheath members for suspending said netting therefrom, a second fabric secured to said netting and forming a continuous border at the lower portion of said wall structure of said enclosure, mattress supporting means including the bottom wall of said enclosure and a stiff element covering said bottom wall, means securing the first mentioned means to said lower border at the lower portion of said wall structure and a mattress removably disposed in the first mentioned means and engaging the lower portions of said wall structure.

2. A crib comprising an enclosure for receiving a child and a frame for supporting said enclosure, said frame having a pair of oppositely disposed long side elements, netting forming the side and wall structure of said enclosure, a pair of inverted U-shaped members having the bight portions thereof forming said relatively long side elements of said frame, the legs of one of said members crossing the legs of the other member and secured thereto, a flexible element at each end of the crib, each having one end attached to a corner of one inverted U-shaped member and the other end to the corresponding corner of the other inverted U-shaped member, said flexible elements forming the end elements of said frame, means secured to said frame including a fabric strip forming a continuous border for the upper portion of said enclosure suspending the netting from said frame, a second fabric strip secured to the bottom of said netting forming a continuous border at the lower portion of said wall structure of said enclosure, a mattress supporting pocket including the bottom wall of said enclosure and said second fabric strip, and a mattress removably disposed in the said supporting pocket engaging and fitting snugly portion of said pocket formed by said second fabric strip.

3. A portable crib of the type described comprising a frame having a pair of inverted U-shaped members with side portions of the inverted members pivoted in scissors-like fashion providing the legs for the support of the rest of the frame and the bights of the inverted members providing long side members of the frame, flexible connecting means extending across the frame at each end and connecting the corresponding corners of the U-shaped members, a crib enclosure having sides and ends of netting, means forming a part of said enclosure flexibly suspending said netting from the frame, a bottom structure comprising a substantially fiat member and walls projecting upwardly from the edges thereof and secured to the netting about its lower margin, a crib mattress supported in said bottom structure, a tying strap fastened at each corner of the bottom structure with the straps on one side of said bottom structure adapted to loop around the scissors-like ends of the frame when it is in a collapsed position and the straps on the other side of the bottom structure adapted to be fastened to the corners of the inverted U-shaped frames and fastening elements at said corners of the U-shaped frames and

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adapted to cooperate with complementary fastening elements on said straps to hold the parts of the crib in folded condition.

4. A portable crib of the type described comprising a frame having a pair of inverted U-shaped members with the side portions of the inverted members pivoted in scissors-like fashion providing the legs for the support of the rest of the frame and the bights of the inverted members providing the long side members of the frame, a chain connecting member extending across the frame at each end and connecting the corresponding corners of the U-shaped members, a crib enclosure having sides and ends of netting, means forming a part of said enclosure flexibly suspending said netting from the frame, a fabric bottom structure comprising a substantially flat member and walls projecting upwardly from the edges thereof and secured to said netting at its lower margin, a crib mattress supported and fitting snugly in said bottom structure and means for tying the fabric bottom to the frame when the frame is in a collapsed position with one side of the bottom positioned adjacent one long side of the frame and with the bottom substantially aligned with said collapsed legs.

5. A portable crib of the type described comprising a frame having a pair of inverted U-shaped members with the side portions of the inverted members pivoted in scissors-like fashion providing the legs for the support of the rest of the frame and the bights of the inverted members providing the long side members of the frame, flexible connecting means extending across the frame at each end and connecting the corresponding corners of the U-shaped members, a crib enclosure having sides and ends of netting, means forming a part of said enclosure flexibly suspending said netting from the frame, a fabric bottom having a crib mattress supported therein, said bottom being secured to the lower margin of said netting, the legs of said frame having longitudinally extending supporting bars secured thereto well below the level of the scissors pivots, a fastening member near each end of said supporting bars and a cooperating member near each corner of said bottom, said enclosure being sufficiently long whereby when the crib is in its open position the bottom rests on said bars and said fastening members thereon are in engaging positions with the fastening members on said bottom for locking the corresponding members together and means for tying the fabric bottom to the frame, when the crib is collapsed, with the bottom substantially aligned with the collapsed ends of the frame.

6. A portable crib of the type described com-

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prising a frame having a pair of inverted U-shaped members with the side portions of the inverted members pivoted in scissors-like fashion providing the legs for the support of the rest of the frame and the bights of the inverted members providing the long side members of the frame, flexible connecting means extending across the frame at each end and connecting the corresponding corners of the U-shaped members, a crib enclosure having sides and ends of netting, means forming a part of said enclosure flexibly suspending said netting from the frame, a fabric bottom with a crib mattress supported therein secured to the lower margin of said netting, the legs of said frame having longitudinally extending supporting bars secured thereto well below the point of the scissors pivots, a fastening member near each end of said supporting bars and a cooperating member near each corner of said bottom, said enclosure being sufficiently long whereby when the crib is in its open position the bottom may rest on said bars with said cooperating members in position for engagement with the fastening members on said bars for locking the corresponding members together, other fastening members at the corners of the long sides of each inverted U-shaped member, tying straps fastened at one end, each to a corner of the bottom each said tying strap having a cooperating fastening member near its loose end, the tying straps at one side of the bottom adapted to be looped around said legs with the fastening on the loose ends adapted to be engaged with the fastening members on said bottom and the tying straps at the other side of the bottom adapted to be engaged with the fastening members at the corners of the U-shaped members.

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*Executrix of the Estate of Hyman Mover, Deceased.*

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