Jan. 12, 1954

A. L. WEIDT

2,665,433

INFANT'S CRIB

Filed May 5, 1951

Fig. 1

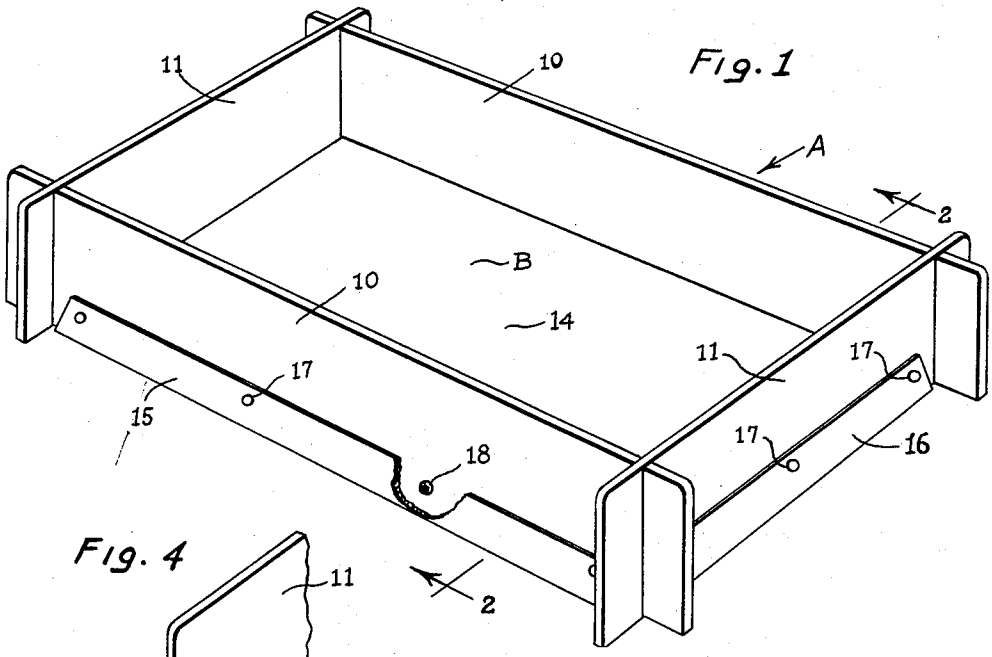


Fig. 4

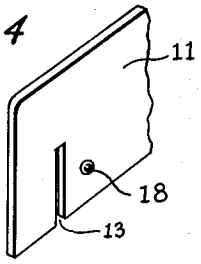


Fig. 5

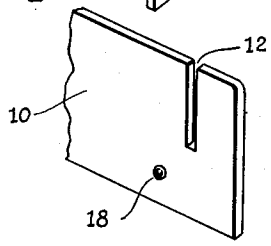


Fig. 2

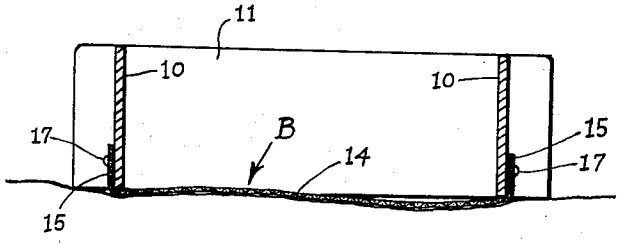
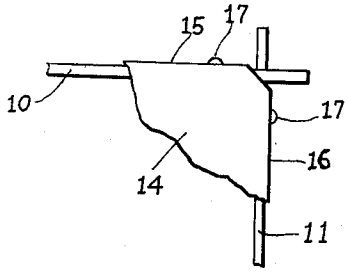


Fig. 3



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2,665,433

UNITED STATES PATENT OFFICE

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INFANT'S CRIB

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2 Claims. (Cl. 5—99)

1

My invention relates to improvements in infants' cribs, an object thereof being to provide a simple, durable and relatively inexpensive knockdown crib, the parts of which are adapted to be readily and securely assembled and to be readily disassembled and gathered together into small space for convenient transportation and storage.

A further object of the invention is to provide a crib, as above indicated, the same including an enclosure consisting of barrier panels detachably connected one to another, and including further a bottom member of flexible material adapted to conform with a surface upon which the crib rests, said bottom member cooperating with the barrier panels releasably to hold said parts of the structure together.

Other objects of the invention reside in the novel combination and arrangement of parts and in the details of construction illustrated and/or described.

In the drawing:

Fig. 1 is a perspective view of a crib constructed in accordance with my invention.

Fig. 2 is a vertical sectional view taken transversely of the crib, as on the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary bottom view showing a corner portion of the crib.

Figs. 4 and 5 are fragmentary perspective views of end portions of adjoining barrier panels showing the construction by virtue of which the panels may be connected to and disconnected from one another.

Referring to the drawing, it will be seen that the illustrated form of my invention includes four barrier panels, there being a pair of side panels 10 and a pair of end panels 11 which, when standing on edge and assembled, form a rectangular enclosure A. While said panels 10, 11 may be of any suitable construction, I prefer that they be plain lengths of plywood or solid lumber. In any event, said panels will be detachably interconnected at the corners of the enclosure in such a manner that the end panels 11 will be moved edgewise toward and edgewise from the edgewise disposed side panels 10 in connecting and disconnecting the former from the latter.

My preference being plain boards for the panels 10, 11, the expedient employed in the illustrated form of my invention for detachably connecting the panels together consists in providing the end portions of said panels with interfitting notches, each end portion of each side panel 10 having an upwardly opening notch 12 therein cut one-half

2

the distance therethrough transversely thereof and each end portion of each end panel 11 having a downwardly opening notch 13 therein cut transversely thereof one-half the distance through the same.

With the side panels 10 standing on edge in spaced relation, it will be apparent that an end panel 11 upon downward edgewise movement thereof toward the side panels 10 may be connected to corresponding end portions of said side panels by interfitting the downwardly opening notches 13 of the end panels 11 with the upwardly opening notches 12 of the side panels 10. And, of course, such end panel 11 may be disconnected from the side panels 10 merely by lifting the former edgewise from the latter. The confronting faces of the notches 12, 13 need not tightly fit those portions of the panels, 11, 10 received in said notches for a reason soon to appear, such tolerance in the fitting of the panels together being advantageous in that it promotes ease of assembly and disassembly in connecting and disconnecting the panels 10, 11. It may be here pointed out that either of the end panels 11 may be used at either end of the crib and that either of the side panels 10 may be used at either side of the crib.

Associated with the panels 10, 11 is a bottom member B of flexible sheet material, preferably a waterproof fabric. Said bottom member B has a rectangular body portion 14 with marginal flaps 15 at the sides thereof and similar flaps 16 at its ends. The panels 10, 11 rest on the body portion 14 of the bottom member B along lines adjacent said flaps 15, 16, the side flaps 15 being adapted to be upturned along the outer faces of the side panels 10 at the lower marginal portions thereof, and the end flaps 16 being adapted to be upturned along the outer faces of the end panels 11 at their lower marginal portions. These flaps 15, 16 are fitted with female snap-fastener members 17 which mate with male snap-fasteners members 18 mounted on the panels 10, 11. With said flaps 15, 16 fastened to the panels 10, 11 through the media of the snap-fastener members 17, 18, the bottom member B ties said panels 10, 11 together against relative edgewise movement that would disjoin the same and also against whatever relative hinging movement may obtain between the panels 10, 11 by reason of the tolerance created in the formation of the slots 12, 13 in said panels 10, 11.

In use, the body portion 14 of the bottom member B of the crib will rest upon whatever surface the crib may be placed upon. If upon a bed or

the like, said body portion 14 of said bottom member B will conform with the bedding, lending comfort to the occupant of the crib and serving to retain the crib in place on the bed. With the bottom member B constructed of waterproof material, it will be capable of being readily cleansed and will prevent the passage of moisture to or from the crib at the bottom thereof.

To knock down and package the crib, the bottom member B will be unsnapped from at least one of the pairs of panels 10, 11. Thereupon, the end panels 11 will be lifted edgewise from the side panels 10 thereby disconnecting all of the panels and enabling them to be gathered together and, if desired, wrapped in a bundle with the bottom member B constituting the wrapper.

Changes in the specific form of the invention, as herein described, may be made within the scope of what is claimed without departing from the spirit of the invention.

Having described the invention, what is claimed as new and desired to be protected by Letters Patent is:

1. In an infant's crib two pairs of elongated panels, each panel at each of its end portions having a notch therein transversely thereof, the notches in one pair of panels being interfitted with the notches in the other pair of panels interconnecting said panels in the form of an enclosure, the inter-connected panels being adapted to be disconnected from each other upon relative edgewise movement between said pairs of panels, a bottom member of flexible material for the enclosure formed by said panels, said bottom member underlying the lower edges of the panels and having marginal flaps upturned against the outer faces of said panels, connections attaching said flaps to said panels at said outer faces thereof thereby joining the bottom member to the panels, said bottom member coacting with the panels and alone holding them against relative edgewise disconnecting movement, the connections connecting said flaps to said panels being detachable connections enabling the bottom member to be disjoined from the panels thereby to free the two pairs of panels for relative disconnecting movement therebetween.

2. In an infant's knockdown crib, two pairs of panels, each panel having a connecting element at each end portion thereof, the connecting elements of one pair of panels coacting with the connecting elements of the other pair of panels connecting the panels together in the form of an enclosure, said connecting elements enabling said panels to be disconnected from each other upon relative edgewise movement between said pairs of panels, a bottom member of flexible material for the enclosure formed by said panels, said bottom member underlying the lower edges of the panels and having marginal flaps upturned against the outer faces of said panels, connections attaching said flaps to said panels at said outer faces thereof thereby joining the bottom member thereto, said bottom member coacting with the panels and alone holding them against relative edgewise disconnecting movement, the connections connecting the flaps to at least one pair of the panels being detachable connections enabling the bottom member to be disjoined therefrom thereby to free the two pairs of panels for relative disconnecting movement therebetween.

ALVIN L. WEIDT.

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