April 11, 1950 M. LIEFF 2,504,028

CRIB ATTACHMENT FOR BEDS

Filed June 29, 1946

FIG. 1

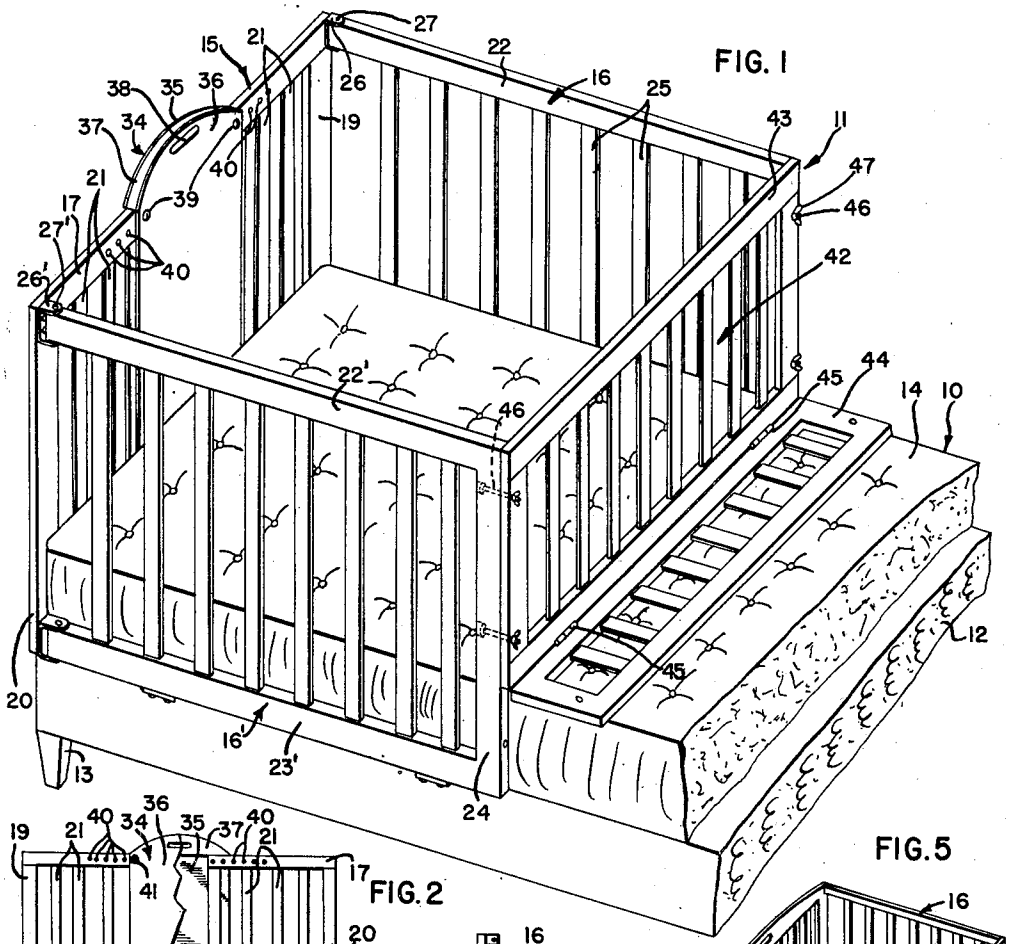


FIG. 2

FIG. 3

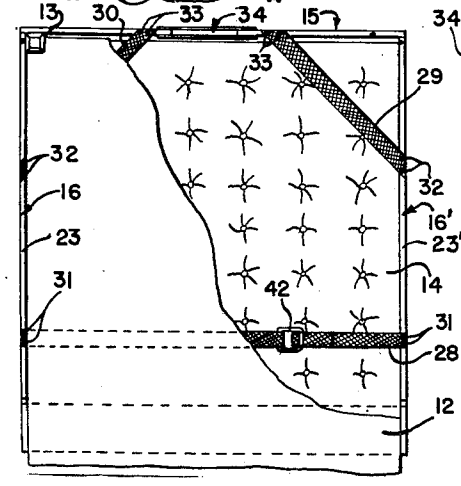


FIG. 4

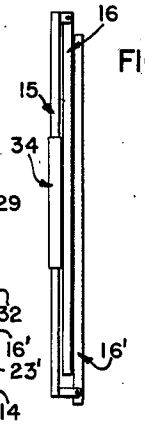
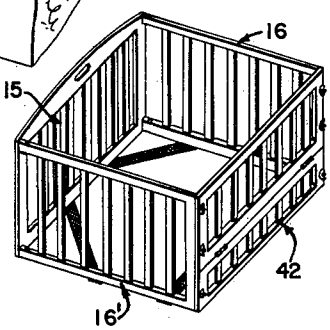


FIG. 5



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CRIB ATTACHMENT FOR BEDS

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2 Claims. (Cl. 5—95)

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This invention relates to crib attachments for beds and more particularly to a collapsable enclosure adapted to be temporarily associated with a bed in order to convert same into a crib or child's bed.

My new invention serves a variety of purposes, but is especially adapted for use where a crib is not available, or where, although a crib is available it is either too small or inconvenient to use. My device is also admirably suited for protecting children who are restless or upset in their sleep by preventing their falling from their beds.

I appreciate that others have devised attachments of a similar nature, but none has been so simple and sturdy in construction, none has been attachable as easily to a bed and in the same manner as my device, and none has the features of my device hereinafter pointed out.

My invention besides being efficient in use is readily collapsable so that it may be stored in small spaces. By addition of an element to be described, my crib attachment can be readily converted into a child's play pen.

The primary object of my invention is to provide a simple, sturdy, collapsable, crib attachment readily associated with a bed.

Another object of my invention is to provide such an attachment which is associated with the bed by disposing portions thereof beneath the mattress of the bed and being held in place thereby.

Another object of my invention is to provide a device of the character described in which the same is readily adjustable to practically any size bed.

Still a further object of the invention is to provide a device of the character described in which a four walled enclosure may be made from the same.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel features of construction, arrangement and a combination of parts hereinafter fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that various changes in the form, proportion, size and minor details of the structure may be made without departing from the spirit or sacrificing any of the advantages of the invention.

For the purpose of facilitating an understanding of my invention, I have illustrated in the accompanying drawings a preferred embodiment thereof, from an inspection of which, when considered in connection with the following description, my invention, its mode of construction, assembly and operation, and many of its advantages should be readily understood and appreciated.

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Referring to the drawings in which the same characters of reference are employed to indicate corresponding or similar parts throughout the several figures of the drawings:

Fig. 1 is a perspective fragmentary view of a bed having my invention associated therewith and ready for use.

Fig. 2 is an elevational view of the end wall of the attachment shown in Fig. 1 with a portion thereof broken away to show the manner in which same is adjustable in length.

Fig. 3 is a bottom view of the attachment in position with a portion of the bed broken away.

Fig. 4 is a plan view of the attachment in a folded condition.

Fig. 5 is a perspective view of my new invention in position for use as a child's play pen and showing a modified version thereof.

My invention comprises generally an end wall and two side walls hingedly attached thereto, the whole being connected on the bottom thereof by means of flexible webbing members or the like. The flexible webbing members not only serve to limit the extent of opening of the walls but are inserted beneath the mattress of the bed with which my attachment is associated and thereby permit the attachment to be held in position on the bed. If desired, a fourth wall is attachable to my device converting same into a four wall enclosure.

Referring now to the details of my invention, the reference character 10 designates generally a bed while 11 indicates my new attachment. The bed 10 consists generally of a portion 12 which includes the frame work and spring, the legs 13, and the mattress 14. It should be noted that my invention can be used with the type of bed known as the "Hollywood bed," in which the framework is completely enclosed, as shown by the portion 12 and which therefore does not present members of the bedstead to which former devices would of necessity be affixed or connected. My new invention is not connected with any portion of the bedstead. It will be noted that I have not shown a head or foot board on the bed illustrated. My new invention neither depends upon the presence of such end boards, nor interferes with same if they are present.

The attachment 11 consists of an end wall 15 and two side walls 16 and 16'. The end wall 15

is formed by means of the frame members 17 and 18 on top and bottom thereof respectively, and the end frame members 19 and 20, all held together in any suitable manner as by glue, nails, and the like, and having the spaced slats 21 arranged parallel with the end frame members 19 and 20. The side walls 16 and 16' are formed with top and bottom frame members 22 and 23 and 22' and 23' respectively, end frame members 24 and slats 25. One end of each side wall is not framed to permit the attachment thereto of hinge devices as will be described.

Each of the frame members 19 and 20 is provided at its top and bottom inwardly facing surfaces with U-shaped brackets, 26 on the one side and 26' on the other. These brackets are adapted to rotatively engage the free ends of the frame members 22 and 23, and 22' and 23', between the arms thereof. The pivoting engagement is provided by the pins or bolts 27 and 27' which pass through openings provided therefore in the arms of brackets 26 and 26' and through appropriate holes formed on said free ends. The brackets 26' are slightly longer than bracket 26, while the wall 16' is slightly shorter than wall 16.

By reason of the above described arrangement, the crib attachment can be folded as shown in Fig. 4, in order to store same.

The pivotal movement of the side walls 16 and 16' about the pins 27 and 27' is limited by the the webbing members 28, 29, and 30 which extend between the walls as shown in Fig. 3. The member 28 is the same length as the end wall 15 and is attached to the bottoms of frame members 23 and 23' by screws or the like as shown at 31. This member holds the side walls 16 and 16' in spaced relation and is normally disposed between mattress 14 and bed member 12. The web members 29 and 30 are each arranged at an angle of 45° with the side and end walls and are attached to the bottoms of members 23 and 23' as shown at 32 and also to the bottom of the frame member 18 as shown at 33. These members 29 are also disposed between the mattress 14 and bed member 12 when the device is set up and also maintain a 90 degree angle between the end wall 15 and the side walls 16.

As described thus far, my device is suitable for the use intended. When installed upon a bed, the end and sides of the bed are closed off from a child reclining on the bed. The side opposite end wall 15 need not be closed off, expecially in the case of older children. My invention is installed merely by lifting the mattress 14, setting up the attachment 11, and dropping the mattress back to its original position, the weight and form thereof serving to hold the attachment 11 in place.

In order to provide an adjustable attachment, the end wall 15 is divided into two portions by an adjustable center portion 34. The portion 34 includes front and back panels 35 and 36, and a top trim member 37 having a hand slot 38 cooperating with similarly placed slots in panel 37. At the corners of the portion 34 are provided bolts 39 which can be engaged within any of the openings 40 provided therefore in members 17 and 18 and fixed in position by nuts 41. This provides a means for adjusting the length of member 15 so that the crib attachment may fit any standard size bed. In manufacture, openings 40 for standard sizes may be provided, and other openings may be drilled by the purchaser in the case of special sizes.

The member 28 may be provided with a buckle

42 or the like for adjusting its size in accordance with that of end wall 15.

In Fig. 5 I have shown my device provided with a fourth wall and used apart from the bed as a child's plan pen. The additional wall, designated as 42 comprises two portions, 43 and 44, formed in a manner similar to the other walls, and hinged as at 45. The wall 42 is attachable to the side wall 16 in any desired manner as for example by bolts 46 extending through members 24 and having wing nuts 47 to hold the wall 42 in place and be readily removable. The purpose of dividing the end wall 12 into two portions and having same hinged is so that the forth wall 42 may be used when the attachment 11 is associated with the bed, to form a four-walled enclosure. The hinged portion 44 is adapted to swing upwardly and overlie the mattress so that the webbing members can be properly disposed beneath the mattress.

It will be noted in Fig. 5 that the end wall 15 need not be made as shown in Figs. 1 and 2, that is, it need not be extensible. If desired it may be formed without the portion 34 in which case it will be suitable for use with only one size bed. It should be apparent that the extra element, constituting wall 42 need not be used with the attachment, and that if used, it should be of proper length for the type bed used.

While I have shown the walls of the device as slatted, it should be understood that same may be made of solid construction. I would also point out that my device is not only for use as an infant's crib, but is advantageous for use by juveniles, or youths, that is to say, older children.

It is believed that my invention, its mode of construction and assembly, and many of its advantages should be readily understood from the foregoing without further description, and it should also be manifest that while a preferred embodiment of the invention has been shown and described for illustrative purposes, the structural details are nevertheless capable of wide variation within the purview of my invention as defined in the appended claims.

What I claim and desire to secure by Letters Patent of the United States is:

1. In an attachment for beds having a mattress, a collapsable crib attachable at one end of the bed and having walls enclosing the end and portions of the sides of said bed, said crib being held in position solely by said mattress, and a member attachable to said crib and across the open end thereof to make same a four-walled enclosure, said member having a hinged portion adapted to overlie said mattress when said crib is attached to a bed, but adapted to be affixed to form a complete wall when said crib is set up apart from said bed, whereby said crib acts as an enclosed play pen.

2. In an attachment for a bed, a three-walled structure, two walls of which are adapted to be disposed along opposite sides of the bed and extending from the bottom edge of the mattress upwardly, and a third wall at the end of the bed, likewise extending from the bottom edge of the mattress upwardly, all of said walls being connected below the mattress by cross members held in place by the mattress and being further connected along common edges thereof whereby to enclose the end of said bed, and a fourth wall, removably attached to the free ends of the two sidewalls and extending from the top of the mattress upwardly thereby to form a four-walled enclosure upon said bed, said fourth wall having a

hinged portion adapted to enclose the space between the bottom of said fourth wall and the bottom of the side walls whereby said attachment may be used as a completed walled-in play pen, when apart from said bed.

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