Nov. 13, 1951 P. R. GRAF ET AL 2,574,559

COMBINATION CRIB-PLAYPEN

Filed Jan. 24, 1949

Fig. 1.

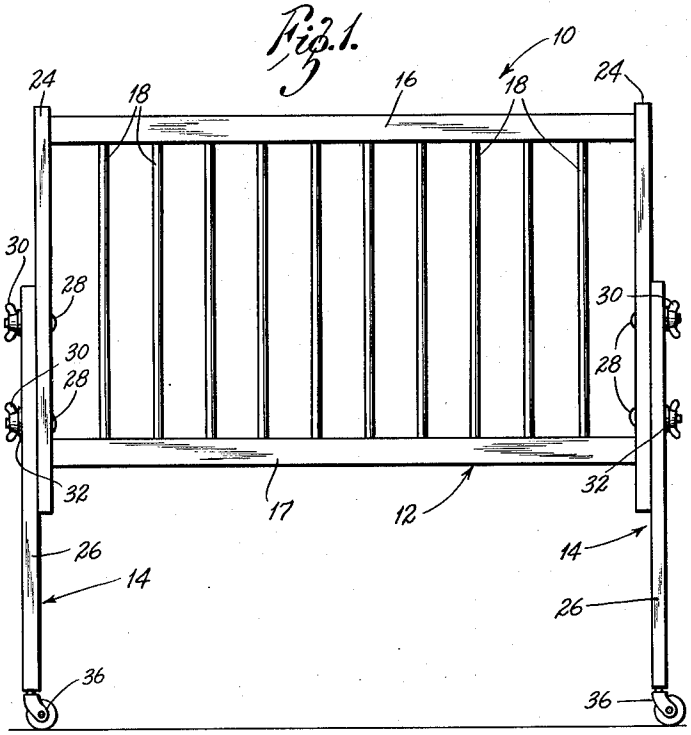


Fig. 2.

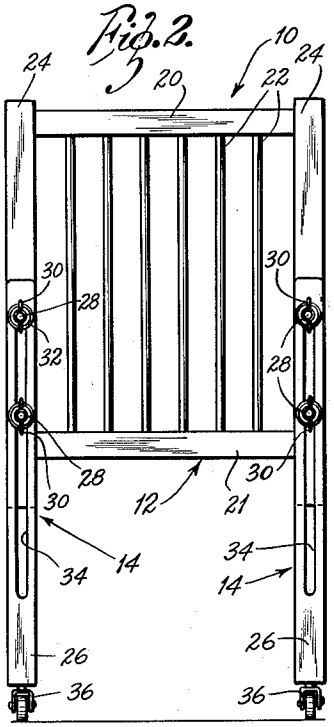


Fig. 3.

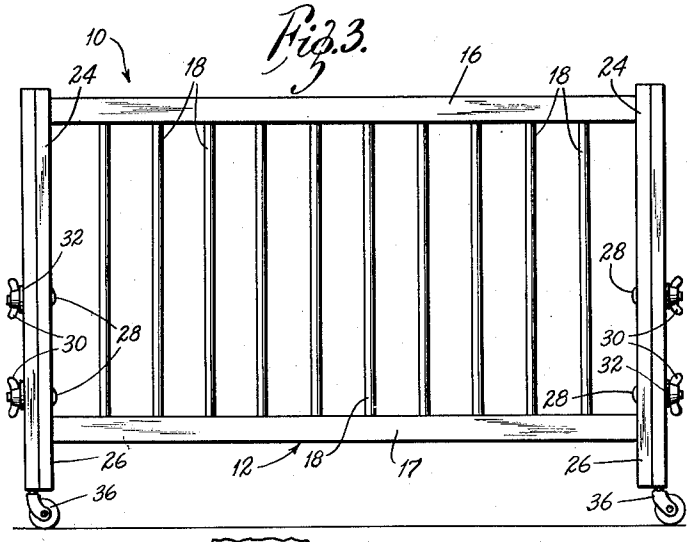


Fig. 4.

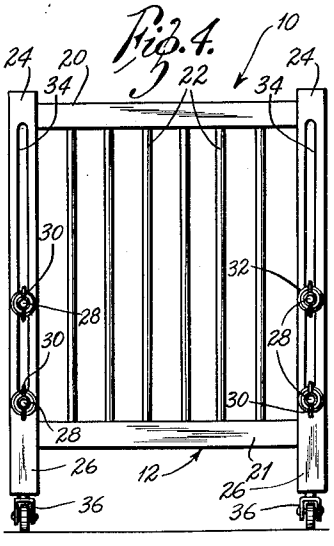


Fig. 5.

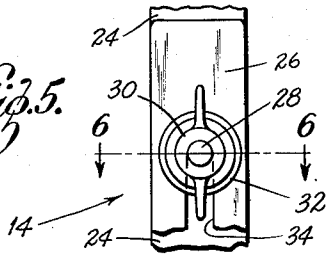
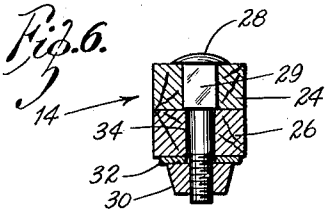


Fig. 6.



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COMBINATION CRIB-PLAYPEN

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Application January 24, 1949, Serial No. 72,407

2 Claims. (Cl. 5—93)

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The present invention relates generally to combination crib-playpens, and more particularly to a construction for raising and lowering the main body of a crib-playpen in converting it from one form to the other.

An object of the present invention is to provide novel adjustable support construction for a combination crib-playpen which is simple in construction and which may be readily actuated in raising the main body of the crib-playpen to a level for use as a crib or in lowering it to a level for use as a playpen.

Another object is to project a novel adjustable support construction for a combination crib-playpen which incorporates stops for positions of extreme movement, thereby accurately defining the crib level and playpen level.

Another object is to provide a novel adjustable support construction for a combination crib-playpen which incorporates sliding leg members which fully overlie end members of the main body construction in the playpen position of the combination crib-playpen to lend a finished appearance to the whole construction.

Other objects are to provide a novel adjustable support construction for a combination crib-playpen in which movable legs are guided by securing means, in which the securing means are positive in action to a degree to reduce to a minimum the possibility of collapse of the device from crib level to playpen level, in which accidental collapse from crib level to playpen level is merely a settling action from a higher to a lower level without upsetting of the furniture piece, which is adapted to be used in the back of an automobile and to be selectively adjusted to any level between upper crib level and lower playpen level, which may be adjusted without involved instruction, and which is inexpensive to fabricate.

The foregoing and other objects and advantages are apparent from the following description taken with the accompanying drawing, in which:

Fig. 1 is a side elevational view of a combination crib-playpen incorporating the teachings of the present invention, the combination crib-playpen being shown at crib level;

Fig. 2 is an end elevational view thereof;

Fig. 3 is a side elevational view thereof at playpen level;

Fig. 4 is an end elevational view thereof at playpen level;

Fig. 5 is an enlarged view of one of the adjusting nut and bolt assemblies and the associated parts in which it is anchored; and

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Fig. 6 is a horizontal cross-sectional view on substantially the line 6—6 of Fig. 5.

Referring to the drawing more particularly by reference numerals, 10 indicates generally a combination crib-playpen which includes a main body 12 and adjustable supporting construction 14 incorporating the teachings of the present invention.

The main body 12 is of usual construction, and includes opposed pairs of upper and lower side members 16 and 17 connected by vertical bars 18, opposed pairs of upper and lower end members 20 and 21 connected by bars 22, and corner posts 24 of rectangular cross section to which the side and end members 16 and 17, 20 and 21 are connected. Any type of flooring (not shown) is supported by the side members 17 and end members 21.

The adjustable supporting construction 14 is formed as four identical units, and each includes an aforesaid corner post 24 and a leg member 26 vertically adjustably connected thereto by a pair of bolts 28 and wing nuts 30. A suitable washer 32 is disposed between each wing nut 30 and the leg 26. Each pair of bolts 28 is anchored in the respective post 24, each bolt 28 including a head portion 29 of square cross section, as is clear from Fig. 6. The bolts 28 extend through an elongated slot 34 in the respective leg 26, each slot 34 being of sufficient length to permit disposition of the main body 12 at a predetermined crib level, such as is shown in Fig. 1, and at a predetermined playpen level, such as is shown in Fig. 3. Suitable rollers 36 are provided on the ends of the legs 26. The posts 24 and leg members 26 are shown as of rectangular cross section, but other cross sections may be employed which include adjacent contacting surfaces. Manifestly, to change the position of the combination crib-playpen 10 from the crib level as shown in Fig. 1 to the playpen level as shown in Fig. 3, it is but necessary to loosen the wing nuts 30 and permit the main body 12 to drop to the playpen level, whereupon the wing nuts 30 are again tightened. To return the combination crib-playpen 10 to crib level, the process is reversed in respect to movement of the main body 12. The wing nuts 30 may be tightened sufficiently by an adult to prevent loosening or tampering by a small child.

It is clear from Figs. 3 and 4 that the legs 26 fully overlie the posts 24 when the combination crib-playpen 10 is in the lowest position of use. This lends a finished appearance to the construction. The appearance thereof, when

in extended position as is shown in Fig. 1, is not objectionable. Engagement of the bolts 28 at the ends of the slots 34 limits upward and downward adjustment.

Manifestly, the crib-playpen 10 may be of the collapsible type in which event the end members 20 and 21 would be hinged in the usual manner. The flooring would also be hinged.

It is manifest that there has been provided an adjustable supporting construction for a combination crib-playpen which fulfills the objects and advantages sought therefor.

It is to be understood that the foregoing description and the accompanying drawing have been given by way of illustration and example. It is also to be understood that changes in form of the elements, rearrangement of parts, and substitution of equivalent elements, which will be obvious to those skilled in the art, are contemplated as within the scope of the present invention which is limited only by the claims which follow.

What is claimed is:

1. A combination crib-playpen unit comprising, in combination, a main body including four corner post members and side and end structures disposed between and connected to said members, and a leg member adjustably associated with each corner post member and disposed thereagainst, each leg member being connected to its respective corner post member by an elongated slot and bolt connection including an elongated slot in one of said members and a pair of vertically aligned bolts spaced apart a distance less than the length of such

slot mounted on the other member and extending through the slot, a nut being removably mounted on each bolt, said slots being of a length to permit a crib level position of said body and a playpen level position thereof, said legs being in substantially co-extensive overlaying relation to said corner posts when said body is in playpen position, said body also being adjustable to positions between crib and playpen levels.

2. The combination as set forth in claim 1 further characterized by the slots being of a length defining the crib and playpen positions of said body, the upper set of bolts being engaged by the upper ends of the slots when the body is in crib position and the lower set of bolts being engaged by the lower ends of the slots when the body is in playpen position.

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