June 29, 1954 W. P. McCONNELL 2,682,061

SAFETY BABY CRIB TOP

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Fig. 1

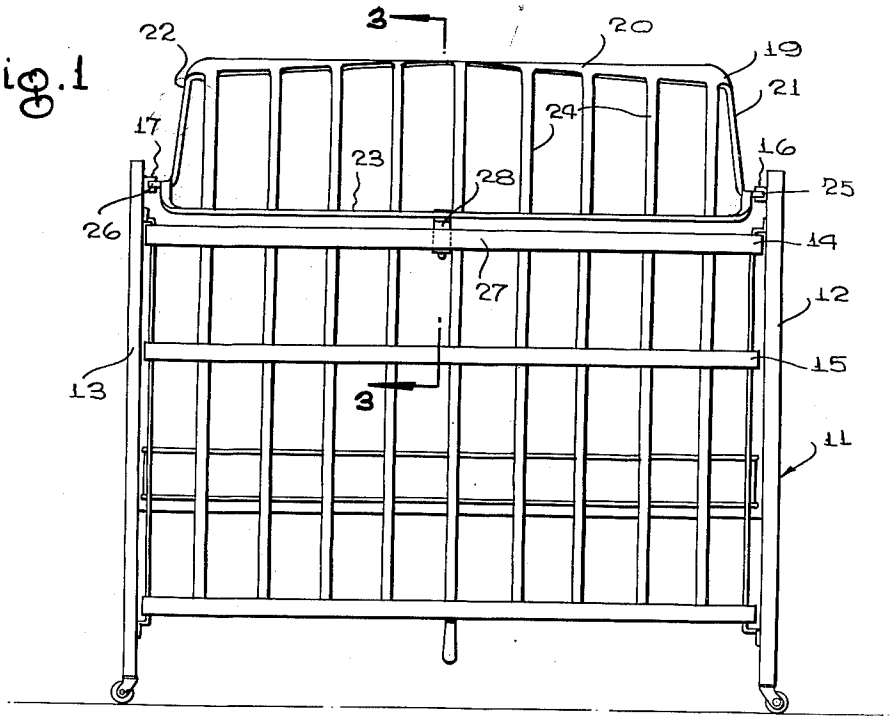
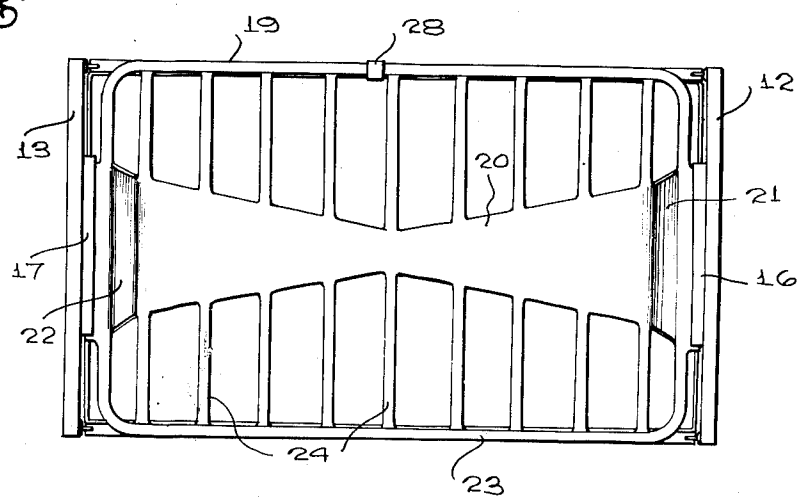


Fig. 2



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Fig. 3

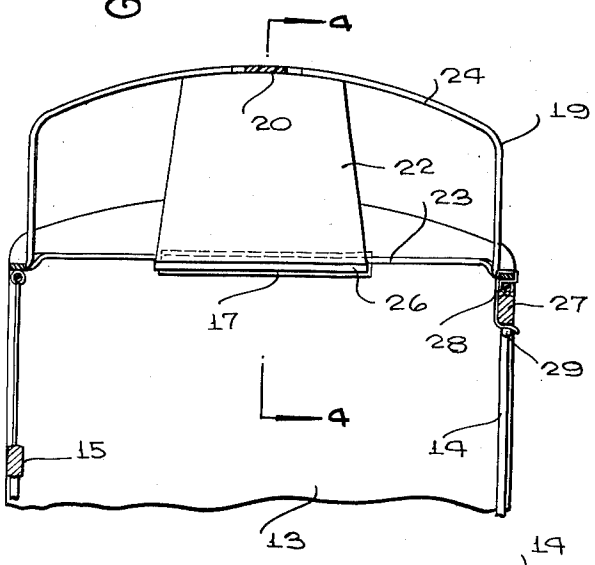


Fig. 4

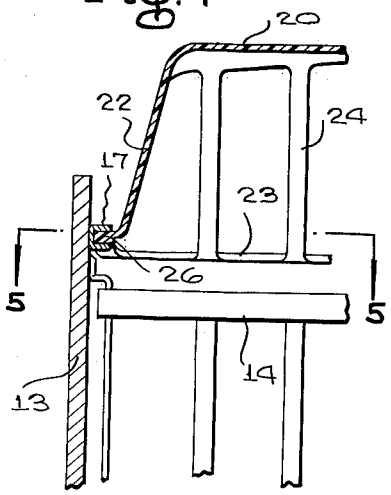
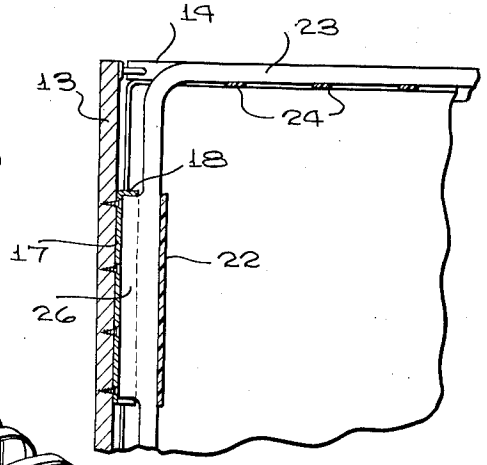


Fig. 5



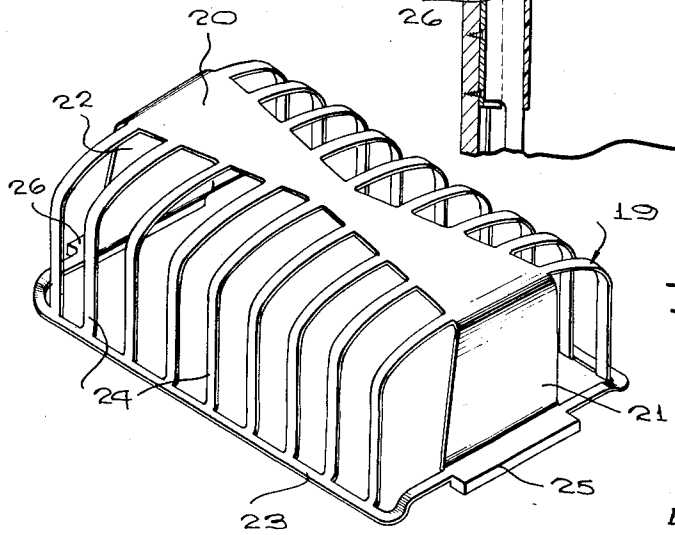


Fig. 6

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UNITED STATES PATENT OFFICE

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SAFETY BABY CRIB TOP

William P. McConnell, Troy, N. Y.

Application May 9, 1952, Serial No. 286,966

2 Claims. (Cl. 5—97)

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This invention relates to baby beds, and more particularly to a safety top for use on baby beds.

A main object of the invention is to provide a novel and improved removable top for a baby crib, said top being simple in construction, being easy to install, and providing a safety means for preventing a baby or infant occupying the crib from climbing over the sides of the crib, thus preventing injury to the baby or infant.

A further object of the invention is to provide an improved safety top for use on baby beds, said safety top being inexpensive to manufacture, being sturdy in construction, being neat in appearance, and being easy to manipulate.

Further objects and advantages of the invention will become apparent from the following description and claims, and from the accompanying drawings, wherein:

Figure 1 is a side elevational view of a baby crib provided with an improved safety top constructed in accordance with the present invention.

Figure 2 is a top plan view of the baby crib of Figure 1.

Figure 3 is a fragmentary transverse vertical cross sectional view taken on the line 3—3 of Figure 1.

Figure 4 is a cross sectional detail view taken on the line 4—4 of Figure 3.

Figure 5 is a cross sectional detail view taken on the line 5—5 of Figure 4.

Figure 6 is a perspective view of the cage member employed as the top cover of the crib in Figures 1 to 5.

Referring to the drawings, 11 designates a baby crib of conventional construction, said crib having the vertical end boards 12 and 13 and the longitudinal side gates 14 and 15. The side gates 14 and 15 are slidable upwardly and downwardly in the well known manner and may be locked in elevated positions by suitable locking means of conventional construction forming no part of the present invention and being well known in the art.

In accordance with the present invention, respective channel-shaped track members 16 and 17 are secured in horizontal, inwardly facing positions on the top portions of the respective end boards 12 and 13, said channel-shaped track members 16 and 17 being substantially shorter than the end boards and being secured to the intermediate portions of said boards, as shown in Figures 2 and 3. As shown in Figure 5, the channel-shaped track members are each provided at one end with a transverse closure wall 18 and are open at their other ends.

Designated generally at 19 is a cage member

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which may be integrally formed of suitable molded material, such as plastic or the like, said cage member comprising the flat longitudinal main plate 20 formed at its ends with the depending plate elements 21 and 22 which are integrally connected by the peripheral marginal strip 23. Integral with the longitudinal plate member 20 and the side elements of the marginal strip 23 are the respective ribs 24 which are arranged in a manner shown in Figure 6 to define a downwardly concave cage, in combination with the plate elements 20, 22 and 21, and the marginal strip 23. At the junction of the plate elements 21 and 22 with the transverse elements of the marginal strip 23, are provided the relatively wide rigid tab members 25 and 26, said tab members being slightly shorter than but almost coextensive in length with the respective guide rails 16 and 17. As shown in Figures 2, 3, 4 and 5, the guide rails 16 and 17 slidably receive the tab members 25 and 26 and support the top cage member 19 for transverse sliding movement over the top portion of the crib 11. With the tab members 25 and 26 completely housed in the respective guides 16 and 17, the side marginal portions of the marginal strip 23 register with and overlie the top edges of the side gates 14 and 15 of the baby crib. Secured to the intermediate portion of the longitudinal marginal portion of the strip 23 overlying the top element 27 of side gate 14 is a flexible strap member 28 which may be lockingly engaged with top gate member 27, as by providing interlocking snap fastener members on the strap member 28 and on the bottom surface of gate element 27, as shown at 29. The safety top cover 19 may therefore be locked in overlying and closing relationship with respect to the crib 11 by fastening the strap 28 to the top gate element 27 by means of the cooperating snap fastener elements 29.

As will be apparent from Figure 5, the transverse end walls 18 of the guide tracks 16 and 17 limit rearward movement of the safety top cover 19 to a position wherein said top cover overlies the baby crib. The top cover may be removed from the crib by unfastening the strap member 28 and sliding the top cover forwardly out of engagement with the guide tracks 16 and 17. The safety top cover may be readily replaced by the reverse procedure.

As shown in Figures 2 and 6, the end flanges 25 and 26 are of a length sufficiently great to insure adequate clearance for the transverse end portions of the top cover 19 with respect to the transverse vertical end boards 12 and 13 so that

the top cover 19 may slide freely between said boards 12 and 13.

While a specific embodiment of an improved protective top cover for a baby bed has been disclosed in the foregoing description, it will be understood that various modifications within the spirit of the invention may occur to those skilled in the art. Therefore, it is intended that no limitations be placed on the invention except as defined by the scope of the appended claims.

What is claimed is:

1. In a bed, a bed frame including end boards having horizontal upper edges, side gates extending longitudinally between said end boards and having horizontal upper edges, the upper edges of the side gates being on a level below the upper edges of the end boards, a cage having depending end walls and side walls terminating in lower edges, said cage being superimposed upon said bed frame, the side walls of the cage being spaced from each other at a distance placing the lower edges of the cage side walls over the upper edges of said side gates and the cage end walls being spaced from each other at a distance placing the lower edges of the cage end walls between the bed frame end boards and at the inward faces of the end boards, facing horizontal channels fixed on the inward faces of said end boards on a level above the upper edges of the side gates, and lateral flanges on the cage end walls in the regions of the lower edges of the cage end walls, said flanges being slidably and supportably engaged in said channels.

2. In a bed, a bed frame including end boards having horizontal upper edges, side gates extending longitudinally between said end boards and having horizontal upper edges, the upper edges of the side gates being on a level below the upper edges of the end boards, a cage having depending end walls and side walls terminating in lower edges, said cage being superimposed upon said bed frame, the side walls of the cage being spaced from each other at a distance placing the lower edges of the cage side walls over the upper edges of said side gates and the cage end walls being spaced from each other at a distance placing the lower edges of the cage end walls between the bed frame end boards and at the inward faces of the end boards, facing horizontal channels fixed on the inward faces of said end boards on a level above the upper edges of the side gates, and lateral flanges on the cage end walls in the regions of the lower edges of the cage end walls, said flanges being slidably and supportably engaged in said channels, stop means at one end of said channels limiting movement of said cage crosswise of the bed frame in one direction, and releasably securing means acting between an upper part of a side gate and a lower part of a cage side wall remote from said stop means and serving to secure said cage with the lower edges of its side walls registered with the upper edges of the side gates.

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