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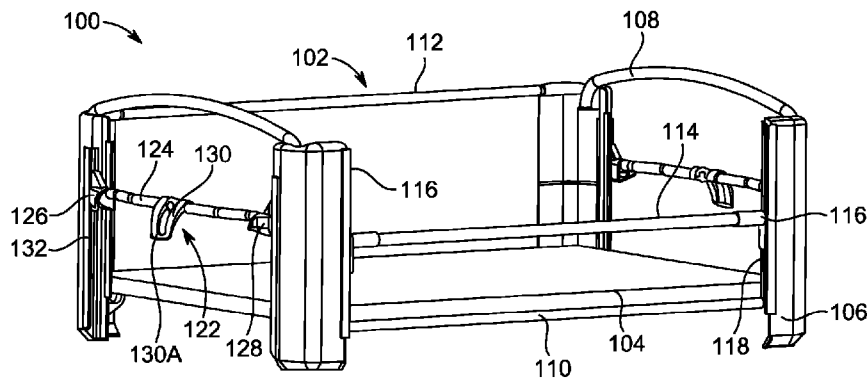


FIG. 1B

(57) Abstract: A bassinet for holding a child can be connected to and removed from a playard. The bassinet can include a frame, a height adjustment mechanism, and a drop bar. The height adjustment mechanism can be connected to the frame, the height adjustment mechanism can be connectable to the playard, and the height adjustment mechanism can be height adjustable to adjust a height of the bassinet relative to the playard. The drop bar can be transitioned between a top position and a bottom position relative to the frame of the playard, with the top position being higher than the bottom position. The drop bar is configured to provide side access to the inside of the bassinet. The bassinet and the playard are each height adjustable to adjust the height the assembly as desired.

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## **BASSINET CONNECTABLE TO A PLAYARD AND PLAYARD ASSEMBLY**

### **CROSS REFERENCE TO RELATED APPLICATIONS**

**[0001]** This application claims the benefit of U.S. Provisional Application No. 63/510,490 filed June 27, 2023, U.S. Provisional Application No. 63/580,666 filed September 5, 2023, and U.S. Provisional Application No. 63/599,044 filed November 15, 2023, which are incorporated by reference as if fully set forth.

### **TECHNICAL FIELD**

**[0002]** The present disclosure is directed to systems, kits, assemblies, and methods relating to a bassinet for holding a child, and more particularly it is directed to a bassinet that is connectable to a playard and adjustable between different configurations.

### **BACKGROUND OF THE INVENTION**

**[0003]** Approximately 3,500 infants die from sleep-related infant deaths annually in the United States. Research indicates that sleep-related death can occur when an infant with an intrinsic vulnerability to sudden infant death syndrome (SIDS) is placed in an unsafe sleep environment. There was a substantial decline in the number of sleep-related infant deaths in the 1990's as the result of a national educational campaign to put babies on their backs to sleep; however, the number of sleep-related infant deaths has remained consistent since the year 2000. The American Academy of Pediatrics (AAP) recommends that parents sleep in the same room, but not in the same bed as a baby, preferably for at least the first six months. The AAP understands and respects that many parents choose to routinely bed share for a variety of reasons, including facilitation of breastfeeding, cultural preferences, and a belief that it is better and safer for their infant. However, the AAP is unable to recommend bed sharing under any circumstances.

**[0004]** Therefore, there is a need for a versatile and safe child sleeping device, such as a bassinet, that can be positioned next to the parent's bed, to aid in a safe sleeping environment for infants and babies alike.

## SUMMARY OF THE INVENTION

**[0005]** According to one aspect, the present disclosure is directed to a bassinet which is connectable to a playard. The bassinet can include a frame and a height adjustment mechanism connected to the frame. The height adjustment mechanism can be connectable to the playard, and the height adjustment mechanism is height adjustable to adjust a height of the bassinet relative to a top rail of the playard.

**[0006]** In one aspect, the bassinet can include a first height adjustment mechanism connected to a first side of the frame, and a second height adjustment mechanism connected to a second side of the frame. The first side of the frame and the second side of the frame are opposite lateral sides of the frame.

**[0007]** In one aspect, the bassinet can further include a drop bar transitionable between a top position and a bottom position relative to the frame of the bassinet. The drop bar can be positioned on a third side of the frame, separate from the first side and the second side of the frame.

**[0008]** In one aspect, the drop bar can be transitionable between the top position and the bottom position independently of the height adjustable height adjustment mechanism.

**[0009]** In one aspect, the height adjustment mechanism can include a first slide connected through an adjustment bar to a second slide. The first slide and the second slide each can be translatably coupled to corner supports of the bassinet, with the first slide and the second slide being vertically translatable relative to the corner supports. A coupler can be connected to the adjustment bar, such that when the bassinet is connected to the playard, the coupler contacts the top rail of the playard and supports the bassinet relative to the playard.

**[0010]** In one aspect, the height adjustment mechanism can include a first mount height adjustably coupled to a first corner bar of the frame, such that when the bassinet is connected to the playard, a mount face of the first mount contacts the playard and supports the bassinet relative to the playard. Further, a second mount can be height adjustably coupled to a second corner bar of the frame, such

that when the bassinet is connected to the playard, a mount face of the second mount contacts the playard and supports the bassinet relative to the playard.

[0011] In one aspect, the first mount can further include a stop extending from a side of the first mount, the stop contacts a protrusion of the first corner bar to fix a height of the first mount relative to the first corner bar. Further, the second mount can further include a stop extending from a side of the second mount, such that the stop contacts a protrusion of the second corner bar to fix a height of the second mount relative to the second corner bar.

[0012] According to another aspect, the present disclosure is directed to an assembly for holding a child. The assembly can include a bassinet removably connected to a playard. The bassinet can include a frame and a height adjustment mechanism connected to the frame. The height adjustment mechanism can be connectable to the playard, and the height adjustment mechanism is height adjustable to adjust a height of the bassinet relative to a top rail of the playard. The playard can include a plurality of legs with a height adjustable foot coupled to each of the plurality of legs. Further, each height adjustable foot can be transitionable between a first position and a second position. When in the first position the playard stands at a first height, and when in the second position the playard stands at a second height that is less than the first height.

[0013] In one aspect, the bassinet further includes a drop bar transitionable between a top position and a bottom position relative to the frame of the bassinet.

[0014] In one aspect, the top position of the drop bar includes the drop bar being vertically level or aligned with a rear bar of the frame, and the bottom position of the drop bar includes the drop bar being positioned vertically lower than the rear bar and closer to a base of the bassinet.

[0015] In one aspect, the drop bar is vertically translatable within a channel of a corner support of the bassinet.

[0016] In one aspect, the drop bar is vertically translatable within a channel of a drop bar support of the bassinet, and the drop bar support can be separate from a corner bar of the bassinet.

[0017] In one aspect, the drop bar can include a latch and a latch member for securing the drop bar in the top position.

**[0018]** In one aspect, the bassinet can include a softgoods coupled to the frame of the bassinet, and the playard can include a softgoods coupled to a playard frame of the playard.

**[0019]** According to yet another aspect, the present disclosure is directed to an assembly for holding a child. The assembly can include a bassinet removably connected to a playard. The playard can include a playard frame including a plurality of legs, a foot coupled to a lower end of each of the plurality of legs, and an extension coupled to each foot of the playard. Each extension can extend from the foot in a direction towards a support surface in which the playard stands when in use. The playard is transitionable between a first position and a second position, when in the first position the playard stands at a first height, and when in the second position the playard stands at a second height that is less than the first height.

**[0020]** In one aspect, the extension coupled to each foot can be removably coupled to each foot. When the extension is coupled to each foot the playard stands at the first height, and when the extension is removed from each foot the playard stands at the second height.

**[0021]** In one aspect, the extensions are swivel extensions rotatably coupled to each foot. When the swivel extensions are rotated into an extended position the playard stands at the first height, and when the swivel extensions are rotated into a folded position the playard stands at the second height.

**[0022]** In one aspect, the playard frame further includes a plurality of center supports and a center foot coupled to each of the plurality of center supports. A central extension is coupled to each center foot of the playard and each central extension extends from the center foot in the direction towards the support surface in which the playard stands when in use.

**[0023]** In one aspect, the central extension is removably coupled or rotatably coupled to each foot of the playard to transition between the first height and the second height.

**[0024]** In one aspect, the first height and the second height are a vertical distance measured from the support surface to a top rail of the playard.

**[0025]** According to another aspect, the present disclosure is directed to a method of adjusting a height of a base of a bassinet relative to a support surface upon which a playard is supported. The method can include removably connecting the bassinet to the playard, and raising or lowering the bassinet relative to the support surface by: transitioning an extension coupled to a foot of the playard between a first position and a second position, when in the first position the playard stands at a first height, and when in the second position the playard stands at a second height that is less than the first height; or adjusting a height adjustment mechanism connected to a frame of the bassinet, the height adjustment mechanism being connectable to the playard, and the height adjustment mechanism is height adjustable to adjust a height of the bassinet relative to a top rail of the playard.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

**[0026]** The foregoing Summary as well as the following Detailed Description will be best understood when read in conjunction with the appended drawings, which illustrate embodiments of the disclosure. In the drawings:

**[0027]** FIG. 1A is a perspective view of a first embodiment of a bassinet according to the present disclosure, with a drop bar in a first position.

**[0028]** FIG. 1B is a perspective view of the bassinet of FIG. 1A, with the drop bar in a second position.

**[0029]** FIG. 2A is a perspective view of the first embodiment of the bassinet including softgoods.

**[0030]** FIG. 2B is a perspective end view of the first embodiment of the bassinet including softgoods.

**[0031]** FIG. 3 is a perspective end view of the first embodiment of the bassinet connected to a playard.

**[0032]** FIG. 4A is a perspective view of a second embodiment of a bassinet according to the present disclosure, with a drop bar in a first position.

**[0033]** FIG. 4B is a perspective view of the bassinet of FIG. 4A, with the drop bar in a second position.

[0034] FIG. 5A is a perspective view of the second embodiment of the bassinet including softgoods.

[0035] FIG. 5B is a magnified detail view of a portion of the bassinet of FIG. 5A, illustrating the drop bar latching mechanism.

[0036] FIG. 6A is a perspective view of the bassinet of FIG. 4A connected to a playard, with the bassinet positioned at a first height and the drop bar in the second position.

[0037] FIG. 6B is a perspective view of the bassinet of FIG. 4A connected to the playard, with the bassinet positioned at the first height and the drop bar in the first position.

[0038] FIG. 6C is a perspective view of the bassinet of FIG. 4A connected to the playard, with the bassinet positioned at a second height and the drop bar in the first position.

[0039] FIG. 6D is a perspective view of the bassinet of FIG. 4A connected to the playard, with the bassinet positioned at the second height and the drop bar in the second position.

[0040] FIG. 6E is a perspective view of the bassinet of FIG. 4A connected to the playard, with both the bassinet and the playard including softgoods.

[0041] FIG. 7A is a perspective end view of the second embodiment of the bassinet connected to the playard.

[0042] FIG. 7B is a magnified detail view of a portion of the bassinet, as indicated in FIG. 7A, illustrating a height adjustment mechanism of the second embodiment of the bassinet.

[0043] FIG. 7C is a detail view illustrating the height adjustment mechanism in a first position.

[0044] FIG. 7D is a detail view illustrating the height adjustment mechanism in a second position.

[0045] FIG. 8A is a perspective view of the playard.

[0046] FIG. 8B is a detail view of a foot of the playard with an extension separated from the foot.

[0047] FIG. 8C is a detail view of a center foot of the playard with a central extension separated from the center foot.

[0048] FIG. 9A is a detailed perspective view of an alternative foot and swivel extension, of the playard of FIG. 8A, in a folded position.

[0049] FIG. 9B is a detailed perspective view of the alternative foot and swivel extension in an extended position.

### DETAILED DESCRIPTION

[0050] Certain terminology is used in the following description for convenience only and is not limiting. The words “front”, “rear”, “upper”, and “lower” designate directions in the drawings to which reference is made. The words “inwardly” and “outwardly” refer to directions towards and away from parts referenced in the drawings. “Axially” refers to a direction along the axis of a shaft. A reference to a list of items that are cited as “at least one of a, b, or c” (where a, b, and c represent the items being listed) means any single one of the items a, b, or c, or combinations thereof are included. The terminology includes the words specifically noted above, derivatives thereof and words of similar import.

[0051] A bassinet connectable to a playard is provided in the present disclosure. The bassinet and playard combination can provide multiple modes of use and provide a separate sleeping surface for a child. The multiple modes of use include, for example: a pack-n-play (PnP) or playard mode, an adjustable height bed-side sleeper mode, an adjustable height bassinet mode, a stand-alone bassinet mode, and a Montessori bed mode for a developing child. The multiple modes of the bassinet and playard combination increases the range of beds and bed heights (of the parents) with which the bassinet and playard combination can be utilized with. For example, for a parent bed having a greater height from the floor, the bassinet can be raised to a higher position relative to the playard to align the bassinet and playard combination with the higher parent bed. Similarly, for a parent bed having a lower height from the floor, the bassinet can be lowered to a lower position relative to the playard to align the bassinet and playard combination with the lower parent bed.

[0052] The bassinet and playard combination can transition between each mode by, for example, removing/attaching the bassinet to the playard, adjusting a height of the bassinet relative to the playard, and adjusting a height of a rail of

the bassinet. Additionally, the height of the playard can be adjusted by incorporating adjustable feet and/or extensions on a bottom of the playard that can raise and lower the playard relative to a supporting surface. The bassinet, playard, and each of the aforementioned modes of use are described in detail below and illustrated in the figures of the present disclosure.

**[0053]** FIG. 1A is a perspective view of a first embodiment of a bassinet 100, with a drop bar 114 in a first position. FIG. 1B is a perspective view of the bassinet 100, with the drop bar 114 in a second position. FIG. 2A is a perspective view of the bassinet 100 including softgoods 160. FIG. 2B is a perspective end view of the bassinet 100 including the softgoods 160. FIG. 3 is a perspective end view of the bassinet 100 connected to a playard 150. FIGS. 1A-3 will be discussed together.

**[0054]** The bassinet 100 includes a frame 102 and a base 104. The frame 102 includes a plurality of corner supports 106, two top bars 108, two or more bottom bars 110, a rear bar 112, and a drop bar 114. As illustrated, the plurality of corner supports 106 can comprise four corner supports 106. Each of the corner supports 106 can have a generally L-shaped cross-sectional shape, viewing from the top down when the bassinet 100 is in a standing or in-use position. A lower end or surface of each of the corner supports 106 can be configured for contacting a supporting surface to support the bassinet 100 when in the upright, in-use position and on a ground or other supporting surface. The corner supports 106 can be arranged such that the bassinet 100 has a generally rectangular shape, viewing from the top down when in the upright, in-use position.

**[0055]** Top bars 108 can be coupled to and extend between a front corner support 106 and a rear corner support 106. The top bars 108 can be positioned adjacent and extend between an upper end or surface of the corner supports 106, opposite the lower end or surface of the corner supports 106. As illustrated, in some examples, the top bars 108 can be tubes or bars that have a curved shape extending between the front corner support 106 and the rear corner support 106. In other examples, the top bars 108 can be tubes or bars that are straight and extend between the front corner support 106 and the rear corner support 106. The rear bar 112 can be coupled to and extend between the two rear corner supports 106. The rear bar 112 can be positioned adjacent and extend between the upper

end or surface of the corner supports 106. As illustrated, in some examples, the rear bar 112 can be a tube or bar that is generally straight and extends between the rear corner supports 106. In other examples, the rear bar 112 can have a curved shape extending between the rear corner supports 106. The top bars 108 and rear bar 112 add stability to the bassinet 100, while at the same time prevent a child from escaping the bassinet 100.

**[0056]** As illustrated, in some examples, one of the bottom bars 110 can be coupled to and extend between the front corner supports 106, and another one of the bottom bars 110 can be coupled to and extend between the rear corner supports 106. In another example, one of the bottom bars 110 can be coupled to and extend between the front corner support 106 and the rear corner support 106, and another one of the bottom bars 110 can be coupled to and extend between the front corner support 106 and the rear corner support 106. In yet another example, the bassinet 100 can include four bottom bars 110, in which a single bottom bar 110 extends between each of the corner supports 106. The bottom bars 110 are positioned closer to the lower end or surface of the corner supports 106 than the upper end or surface of the corner supports 106. The bottom bars 110 are configured to add stability to the bassinet 100, as well as provide a surface or supporting structure for the base 104 to be placed upon. The base 104 can be a pad, bed, or other supporting surface in which a baby or child is placed upon when the baby or child is within the bassinet 100.

**[0057]** The drop bar 114 is coupled to and extends between the two front corner supports 106 of the bassinet 100. As such, the drop bar 114 is positioned offset from and generally parallel to the rear bar 112, and the drop bar 114 is positioned generally perpendicular or orthogonal with the top bars 108. In other words, the top bars 108 can be described as being positioned along first and second sides of the frame 102 of the bassinet 100, the drop bar 114 can be described as being positioned along a third side of the frame 102 of the bassinet 100, and the rear bar 112 can be described as being positioned along a fourth side of the frame 102 of the bassinet 100. With the first and second sides being offset and parallel to each other, and the third and fourth sides being offset and parallel to each other,

such that the first and second sides are oriented generally perpendicular to the third and fourth sides.

**[0058]** The drop bar 114 is configured to transition between a first position (FIG. 1A) and a second position (FIG. 1B). The first position of the drop bar 114 can also be referred to as the top position of the drop bar 114, meaning the drop bar 114 is positioned at its top or highest position relative to the base 104. The second position of the drop bar 114 can also be referred to as the bottom position of the drop bar 114, meaning the drop bar 114 is positioned at its bottom or lowest position relative to the base 104. It is to be understood that the top position and the bottom position of the drop bar 114 refer to the distance or height between the base 104 and the drop bar 114 when the bassinet 100 is positioned in its upright, in-use orientation, as illustrated in FIGS. 1A-1B. When the drop bar 114 is positioned in the top position, the drop bar 114 is vertically level or aligned with the rear bar 112 of the frame 102. When the drop bar 114 is positioned in the bottom position, the drop bar 114 is positioned vertically lower than the rear bar 112 and closer to the base 104 of the bassinet 100 than the rear bar 112. The drop bar 114 can transition between the top position (FIG. 1A) and the bottom position (FIG. 1B) to adjust a height of the drop bar 114 relative to a height of a parent's bed, and also to allow easy access to the child positioned within the bassinet 100 and laying upon the base 104.

**[0059]** As illustrated best in FIGS. 1A-1B, the drop bar 114 can be positioned between drop bar slides 116, which are coupled at each distal end of the drop bar 114. The drop bar slides 116 can be securely coupled to the drop bar 114, and the drop bar slides 116 can facilitate transitioning between the first (top) position and the second (bottom) position. Specifically, a portion of each of the drop bar slides 116 can be positioned and slidably coupled within a channel 118 in each of the two front corner supports 106. The channels 118 can be vertically extending channels 118 that extend at least partially into the front corner supports 106 and in a vertical direction from the lower end of the front corner supports 106 towards the upper end of the front corner supports 106. Therefore, the drop bar slides 116 are configured to slide vertically within the channels 118 to facilitate transitioning between the first (top) position and the second (bottom) position.

**[0060]** As illustrated in FIG. 2A, in some examples, a lock 120 can be utilized to secure the drop bar 114 at a desired height position. The lock 120 can extend through and be secured within apertures in the front corner supports 106 and the drop bar slides 116, to prevent vertical translation of the drop bar 114 relative to the base 104 or corner supports 106. To adjust the height of the drop bar 114, a user removes the locks 120 from the apertures in the front corner supports 106 and the drop bar slides 116, the user adjusts the drop bar 114 height to the desired position, and the user inserts the locks 120 back into the apertures in the front corner supports 106 and the drop bar slides 116 to secure and hold the drop bar 114 at the desired height. As will be appreciated by those having skill in the art, the lock 120 can be a pin, dowel, clevis pin, clip, latch, or other component capable of securing the height of the drop bar 114. The drop bar 114 is configured to transition between the first (top) position and the second (bottom) position independently of the height adjustable height adjustment mechanism 122, discussed further below.

**[0061]** Referring again to FIGS. 1A-1B, the bassinet 100 can also include at least one height adjustment mechanism 122 that is connected to the frame 102. Further, the height adjustment mechanism 122 is connectable to and separable from a playard 150 to adjust a height of the bassinet 100 relative to a top rail of the playard 150, discussed further below. As illustrated, in some examples, the bassinet 100 can include a first height adjustment mechanism 122 connected to a first side of the frame 102 and a second height adjustment mechanism 122 connected to a second side of the frame 102, with the first side of the frame 102 being an opposite lateral side of the frame 102 as the second side. The first and second height adjustment mechanisms 122 are identical, and therefore in an effort to avoid redundancy only a discussion of one of the height adjustment mechanisms 122 is discussed below. With that said, it is to be understood that the following disclosure equally applies to both height adjustment mechanisms 122 of the bassinet 100.

**[0062]** The height adjustment mechanism 122 of FIGS. 1A-B, 2A-B, and 3 can include an adjustment bar 124, a first slide 126, a second slide 128, and a coupler 130. The adjustment bar 124 can be positioned between the first slide 126

and the second slide 128, and the first slide 126 and the second slide 128 can be securely coupled to opposite distal ends of the adjustment bar 124. The first slide 126 and the second slide 128 are configured to facilitate altering a height of the adjustment bar 124 relative to the corner supports 106, the base 104, and the overall frame 102 of the bassinet 100. Specifically, a portion of each of the first slide 126 and the second slide 128 can be positioned and slidably coupled within a groove 132 in each of the front and rear corner supports 106. The grooves 132 can be positioned and oriented with the corner supports 106 such that the grooves 132 are generally orthogonal to the channels 118 within the front corner supports 106. The grooves 132 can be vertically extending grooves 132 that extend at least partially into the corner supports 106 and in a vertical direction from the lower end of the corner supports 106 towards the upper end of the corner supports 106. Therefore, the first slide 126 and the second slide 128 are configured to slide vertically within the grooves 132 of the corner supports 106 to facilitate adjusting or altering a height of the adjustment bar 124 relative to the corner supports 106, the base 104, and the overall frame 102 of the bassinet 100.

**[0063]** The coupler 130 can be connected to the adjustment bar 124 at a generally central location extending between the first slide 126 and the second slide 128. The coupler 130 can be connected to the adjustment bar 124 through a fastener, an adhesive, or other known fastening techniques. The coupler 130 includes a coupler end 130A extending from the coupler 130. The coupler end 130A is the end of the coupler 130 that is not connected to the adjustment bar 124. The coupler end 130A extends from the coupler 130 in a direction away from the adjustment bar 124 and towards the base 104 or a supporting surface on which the bassinet 100 is supported when in an upright, in-use position. The coupler 130, specifically the coupler end 130A, is configured to latch onto the playard 150 when the bassinet 100 is connected to the playard 150, such that the coupler 130 prevents the bassinet 100 from releasing from the playard 150.

**[0064]** Referring to FIGS. 2A-B and 3, the bassinet 100 can include softgoods 160 coupled to the frame 102 of the bassinet 100. The softgoods 160 can surround and cover all sides of the bassinet 100 besides the top or upper surface of the bassinet 100, allowing access to the child positioned within the bassinet 100. More

specifically, the bassinet 100 can include softgoods 160 that cover the front side, rear side, left side, right side, and bottom side, with reference to the orientation illustrated in FIG. 2A. The softgoods 160 are configured to aid in keep a child securely and comfortably within the bassinet 100. The softgoods 160 can be constructed from a soft fabric, mesh, or other similar material that is comfortable to the touch of a child within the bassinet 100.

**[0065]** As illustrated in FIG. 2B, in some examples, a pin 134 can be utilized to secure the adjustment bar 124 at a desired height position. The pin 134 can extend through and be secured within apertures in the corner supports 106 and the first slide 126 and the second slide 128, to prevent vertical translation of the adjustment bar 124 relative to the base 104 or corner supports 106. To alter the height of the adjustment bar 124, a user removes or releases the pins 134 from the apertures in the first and second slides 126, 128, the user translates the adjustment bar 124 to the desired position height, and the user inserts or allows the pins 134 back into the apertures in the first and second slides 126, 128 to secure and hold the adjustment bar 124 at the desired height.

**[0066]** In some examples, the pins 134 can be coupled to the corner supports 106 and the pins 134 can be spring biased to cause engagement with apertures within the first and second slides 126, 128. As will be appreciated by those having skill in the art, the pins 134 can be a pin, dowel, clevis pin, clip, latch, or other component capable of securing the height of the adjustment bar 124. The adjustment bar 124, the first slide 126, and the second slide 128 are configured to facilitate changing and securing the height of the coupler 130 relative to the base 104 of the bassinet 100, allowing the user to adjust a height of the base 104 of the bassinet 100 relative to the top rail of the playard 150, discussed below.

**[0067]** FIG. 3 illustrates a perspective end view of the bassinet 100 connected to a playard 150. As illustrated, when the bassinet 100 is coupled to the playard 150, the corner supports 106 of the bassinet 100 are positioned within a perimeter defined by the legs 152 of the playard 150, such that the bassinet 100 can translate vertically within an interior of the playard 150. Further, when the bassinet 100 is coupled to the playard 150, the coupler end 130A of the coupler 130 latches onto a latching mechanism 156 of the playard 150 to secure the bassinet

100 to the playard 150. In addition, when the bassinet 100 is coupled to the playard 150, the adjustment bar 124 is positioned adjacent the top rail 154 of the playard 150. The coupler 130 being height adjustable relative to the corner supports 106 of the bassinet 100 allows the height of the base 104 of the bassinet 100 to be altered relative to the top rail 154 of the playard 150. This allows the user to adjust the height of the base 104 in which the child is supported upon to the desired height, depending on the specific scenario. Further, the drop bar 114 can also be adjusted to the desired height depending on the specific scenario. The multiple adjustment capabilities of the bassinet 100 make the bassinet 100 suitable for many different height applications and configurations.

**[0068]** FIG. 4A is a perspective view of a second embodiment of a bassinet 10, with a drop bar 24 in a first position. FIG. 4B is a perspective view of the bassinet 10 of FIG. 4A, with the drop bar 24 in a second position. FIG. 5A is a perspective view of the bassinet 10 including softgoods 60. FIG. 5B is a magnified detail view of a portion of the bassinet 10, illustrating the drop bar 24 latching mechanism. FIGS. 4A-5B will be discussed together.

**[0069]** The bassinet 10 includes a frame 12 and a base 14. The frame 12 includes a plurality of corner bars 16, two top bars 18, two or more bottom bars 20, a rear bar 22, and a drop bar 24. As illustrated, the plurality of corner bars 16 can comprise four corner bars 16, with each of the corner bars 16 having a generally tubular shape. The corner bars 16 can be arranged such that the bassinet 10 has a generally rectangular shape, viewing from the top down when in the upright, in-use position. Top bars 18 can be coupled to and extend between a front corner bar 16 and a rear corner bar 16. The top bars 18 can be positioned adjacent and extend between an upper end or surface of the corner bars 16, opposite a lower end or surface of the corner bars 16. As illustrated, in some examples, the top bars 18 can be tubes or bars that have a curved shape extending between the front corner bars 16 and the rear corner bars 16. In other examples, the top bars 18 can be tubes or bars that are straight and extend between the front corner bars 16 and the rear corner bars 16. The rear bar 22 can be coupled to and extend between the two rear corner bars 16. The rear bar 22 can be positioned adjacent and extend between the upper end or surface of the corner bars 16. As

illustrated, in some examples, the rear bar 22 can be a tube or bar that is generally straight and extends between the rear corner bars 16. In other examples, the rear bar 22 can have a curved shape extending between the rear corner bars 16. The top bars 18 and rear bar 22 add stability to the bassinet 10, while at the same time prevent a child from escaping the bassinet 10.

**[0070]** As illustrated, in some examples, one of the bottom bars 20 can be coupled to and extend between the two front corner bars 16, and another one of the bottom bars 20 can be coupled to and extend between the two rear corner bars 16. In another example, one of the bottom bars 20 can be coupled to and extend between the front corner bar 16 and the rear corner bar 16, and another one of the bottom bars 20 can be coupled to and extend between the front corner bar 16 and the rear corner bar 16. In yet another example, the bassinet 10 can include four bottom bars 20, in which a single bottom bar 20 extends between each of the corner bars 16. The bottom bars 20 are positioned closer to the lower end or surface of the corner bars 16 than the upper end or surface of the corner bars 16. The bottom bars 20 are configured to add stability to the bassinet 10, as well as provide a surface or supporting structure for the base 14 to be placed upon. The base 14 can be a pad, bed, or other supporting surface in which a baby or child is placed upon when the baby or child is within the bassinet 10.

**[0071]** The drop bar 24 is coupled to and extends between the two front corner bars 16 of the bassinet 10. More specifically, the drop bar 24 is coupled to and extends between two drop bar supports 30A, 30B, each of which is coupled to a front corner bar 16. The drop bar 24 is positioned offset from and generally parallel to the rear bar 22, and the drop bar 24 is positioned generally perpendicular or orthogonal with the top bars 18. In other words, the top bars 18 can be described as being positioned along first and second sides of the frame 12 of the bassinet 10, the drop bar 24 can be described as being positioned along a third side of the frame 12 of the bassinet 10, and the rear bar 22 can be described as being positioned along a fourth side of the frame 12 of the bassinet 10. With the first and second sides being offset and parallel to each other, and the third and fourth sides being offset and parallel to each other, such that the first and second sides are oriented generally perpendicular to the third and fourth sides.

**[0072]** The drop bar 24 is configured to transition between a first position (FIG. 4A) and a second position (FIG. 4B). The first position of the drop bar 24 can also be referred to as the top position of the drop bar 24, meaning the drop bar 24 is positioned at its top or highest position relative to the base 14. The second position of the drop bar 24 can also be referred to as the bottom position of the drop bar 24, meaning the drop bar 24 is positioned at its bottom or lowest position relative to the base 14. It is to be understood that the top position and the bottom position of the drop bar 24 refer to the distance or height between the base 14 and the drop bar 24 when the bassinet 10 is positioned in its upright, in-use orientation, as illustrated in FIGS. 4A-4B. When the drop bar 24 is positioned in the top position, the drop bar 24 is vertically level or aligned with the rear bar 22 of the frame 12. When the drop bar 24 is positioned in the bottom position, the drop bar 24 is positioned vertically lower than the rear bar 22 and closer to the base 14 of the bassinet 10 than the rear bar 22. The drop bar 24 can transition between the top position (FIG. 4A) and the bottom position (FIG. 4B) to adjust a height of the drop bar 24 relative to a height of a parent's bed, and also to allow easy access to the child positioned within the bassinet 10 and laying upon the base 14.

**[0073]** As illustrated best in FIGS. 4A-4B, the drop bar 24 can be positioned between drop bar slides 26A, 26B, which are coupled at each distal end of the drop bar 24. The drop bar slides 26A, 26B can be securely coupled to the drop bar 24, and the drop bar slides 26A, 26B can facilitate transitioning between the first (top) position and the second (bottom) position. Specifically, a portion of each of the drop bar slides 26A, 26B can be positioned and slidably coupled within a channel 28 in each of the drop bar supports 30A, 30B, respectively. The drop bar supports 30A, 30B being separate components from the corner bars 16, and the drop bar supports 30, 30B being coupled to the corner bars 16 through at least one corner connector 32. Each of the corner connectors 32 extending between and connecting the corner bars 16 to the drop bar supports 30A, 30B. The channels 28 within the drop bar supports 30A, 30B can be vertically extending channels 28 that extend at least partially into the drop bar supports 30A, 30B and in a vertical direction from a lower end of the drop bar supports 30A, 30B towards an upper end of the

drop bar supports 30A, 30B. Therefore, the drop bar slides 26A, 26B are configured to slide vertically within the channels 28 to facilitate transitioning between the first (top) position and the second (bottom) position.

**[0074]** As illustrated in FIG. 5B, in some examples, a latch member 34 can be utilized to secure the drop bar 24 at a desired height position. The latch member 34 can be connected to the drop bar slides 26A, 26B, and the drop bar supports 30A, 30B can include a latch 36 coupled to the drop bar supports 30A, 30B. To secure the drop bar 24 in the top position, the drop bar 24 is raised until the latch member 34 engages with and is held by the latch 36. The latch 36 holds the drop bar 24 in the top position until a user depresses the latch 36 to cause the latch member 34 to disengage from the latch 36. At this point the drop bar 24 can be lowered such that the latch member 34 is below the latch 36, and the drop bar 24 can transition into the bottom position. The latch member 34 can be an extension or protrusion that extends generally perpendicular to the translation direction of the drop bar slides 26A, 26B. Further, the latch member 34 on each side extends outwards away from the drop bar slides 26A, 26B in a direction towards the drop bar supports 30A, 30B, respectively. As illustrated, the latch member 34 includes a shape and size that is capable of being held and secured by the latch 36. As will be appreciated by those having skill in the art, the latch member 34 can be a pin, lock, dowel, extension, protrusion, clip, or other component capable of engaging the latch 36 and securing the height of the drop bar 24. The latch member 34 is a component that is configured to disengage from the latch 36, allowing the drop bar 24 to translate vertically (up/down). Further, it is to be understood that the positioning of the latch member 34 and the latch 36 could be switched, while maintaining the same functionality. Specifically, in some examples, the latch member 34 could be positioned on the drop bar supports 30A, 30B, and the latch 36 could be positioned on the drop bar slides 26A, 26B. The drop bar 24 is configured to transition between the first (top) position and the second (bottom) position independently of the height adjustable height adjustment mechanism 38, discussed further below.

**[0075]** Referring again to FIGS. 4A-4B, the bassinet 10 can also include at least one height adjustment mechanism 38 that is connected to the frame 12.

Further, the height adjustment mechanism 38 is connectable to and separable from a playard 50 to adjust a height of the bassinet 10 relative to a top rail of the playard 50, discussed further below. As illustrated, in some examples, the bassinet 10 can include a first height adjustment mechanism 38 connected to a first side of the frame 12 and a second height adjustment mechanism 38 connected to a second side of the frame 12, with the first side of the frame 12 being an opposite lateral side of the frame 12 as the second side. The first and second height adjustment mechanisms 38 are identical, and therefore in an effort to avoid redundancy only a discussion of one of the height adjustment mechanisms 38 is discussed below. With that said, it is to be understood that the following disclosure equally applies to both height adjustment mechanisms 38 of the bassinet 10.

**[0076]** The height adjustment mechanism 38 of FIGS. 4A-5B can include a first mount 40 height adjustably coupled to a rear corner bar 16 and a second mount 42 height adjustably coupled to a front corner bar 16. The first mount 40 and the second mount 42 are configured to facilitate altering a height of the base 14 of the bassinet 10 relative to the top rail of the playard 50. Specifically, the first mount 40 and second mount 42 are slidably or translatably coupled to the corner bars 16, such that the first mount 40 and the second mount 42 can translate (vertically) axially along a central axis of the corner bars 16. Therefore, the first mount 40 and the second mount 42 are configured to axially translate along the corner bars 16 to facilitate adjusting or altering a height of the base 14 of the bassinet 10 relative to the top rail of the playard 50. As illustrated in FIG. 5B, the first mount 40 and the second mount 42 are configured to contact the top rail 54 of the playard 50 to support the bassinet 10 relative to the playard 50. Specifically, when the bassinet 10 is connected to the playard 50, a mount face 44 of the first mount 40 and the second mount 42 contact the top rail 54 of the playard 50 to support the bassinet relative to the playard 50, discussed further below.

**[0077]** Referring to FIG. 5A, the bassinet 10 can include softgoods 60 coupled to the frame 12 of the bassinet 10. The softgoods 60 can surround and cover all sides of the bassinet 10 besides the top or upper surface of the bassinet 10, allowing access to the child positioned within the bassinet 10. More specifically, the bassinet 10 can include softgoods 60 that cover the front side, rear

side, left side, right side, and bottom side, with reference to the orientation illustrated in FIG. 5A. The softgoods 60 are configured to aid in keeping a child securely within the bassinet 10. The softgoods 60 can be constructed from a soft fabric, mesh, or other similar material that is comfortable to the touch of a child within the bassinet 10. In some examples, the orientation of the bassinet 10 illustrated in FIG. 5A can be utilized as a Montessori bed mode for a developing child. Therefore, the bassinet 10 with the drop bar 24 in the bottom position can be placed on a ground or supporting surface, allowing a developing child to climb in and out of the bassinet 10 while in the Montessori bed mode to promote growth and independence of the child.

**[0078]** FIGS. 6A-6E illustrate different orientations and positioning that the bassinet 10 can be configured relative to the playard 50. Specifically, FIG. 6A is a perspective view of the bassinet 10 connected to a playard 50, with the bassinet 10 positioned at a first height and the drop bar 24 in the bottom position (e.g., bedside sleeper mode – low position). FIG. 6B is a perspective view of the bassinet 10 connected to the playard 50, with the bassinet 10 positioned at the first height and the drop bar 24 in the top position (e.g., bedside bassinet mode – low position). FIG. 6C is a perspective view of the bassinet 10 connected to the playard 50, with the bassinet 10 positioned at a second height and the drop bar 24 in the top position (e.g., bedside bassinet mode – high position). FIG. 6D is a perspective view of the bassinet 10 connected to the playard 50, with the bassinet 10 positioned at the second height and the drop bar 24 in the bottom position (e.g., bedside sleeper mode – high position). FIG. 6E is a perspective view of the bassinet 10 connected to the playard 50, with both the bassinet 10 and the playard 50 including softgoods 60. The different orientations and positioning of the bassinet 10 relative to the playard 50 allow the parent or user to adjust the bassinet 10 and the drop bar 24 to the desired height and position depending on the height of the parent's bed and the intended use of the bassinet 10 and playard 50 combination. As such, the bassinet 10 and playard 50 combination is versatile and can be adapted for many different uses and functions.

**[0079]** FIG. 7A is a perspective end view of the bassinet 10 connected to the playard 50. FIG. 7B is a magnified detail view of a portion of the bassinet 10, as

indicated in FIG. 7A, illustrating the height adjustment mechanism 38 of the bassinet 10. FIG. 7C is a detail view illustrating the height adjustment mechanism 38 in a first position. FIG. 7D is a detail view illustrating the height adjustment mechanism 38 in a second position. FIGS. 7A-7D will be discussed together.

**[0080]** As discussed, the bassinet 10 includes the height adjustment mechanism 38, which includes the first mount 40 and the second mount 42. The first mount 40 and the second mount 42 are configured to be positioned adjacent and contact the top rail 54 of the playard 50 to support the bassinet 10 relative to the playard 50. Specifically, the first mount 40 and the second mount 42 each include a mount face 44 which is positioned on an underside of the first and second mounts 40, 42, facing downward towards the playard 50 and the supporting surface the playard 50 is standing upon. The mount faces 44 are configured to be adjacent and contacting an upper surface of the top rail 54 of the playard 50 to support the bassinet 10 relative to the playard 50. The first mount 40 and the second mount 42 can generally be extending members that extend radially outwards from the corner bars 16, providing a supporting surface for the bassinet 10. In the illustrated example, the first mount 40 and the second mount 42 have a curved or round rounded profile. In other examples, the first mount 40 and the second mount 42 may not have a curved or rounded profile.

**[0081]** The first and second mounts 40, 42 can each include a stop 46 positioned on a lateral side of the first and second mounts 40, 42, with the stops 46 being on a side or surface of the first and second mounts 40, 42 generally perpendicular to the side including the mount face 44. The stops 46 can be protruding or extending members that extend outwards and away from a central portion of the first and second mounts 40, 42. The stops 46 are configured to engage with protrusions 48 of the corner bars 16 to hold and secure the first and second mounts 40, 42 at a desired height relative to the corner bars 16. The protrusions 48 can be nubs, pins, dowel ends, or any other similar feature protruding radially away from a center of the corner bars 16, providing a surface or feature for the stops 46 to engage to adjust the height of the first and second mounts 40, 42 relative to the corner bars 16.

**[0082]** Specifically, referring to FIG. 7D, to adjust the height of the first mount 40 relative to the corner bar 16, the user rotates the first mount 40 counter-clockwise about an axis of the corner bar 16 towards a center of the playard 50. Then the user translates the first mount 40 axially downwards along the corner bar 16, such that the protrusion 48 of the corner bar 16 translates or slides through a mount channel 45 extending through an interior of the first mount 40. The mount channel 45 being an axially extending groove or similar feature extending along a length of the first mount 40. Then, when the position illustrated in FIG. 7C is reached, the user can rotate the first mount 40 clockwise about the axis of the corner bar 16 approximately ninety degrees to position the first mount 40 in the lower or bottom supporting orientation. The same or similar procedure can be performed for each of the mounts of the bassinet 10, to adjust the height of the base 14 of the bassinet 10 relative to the top rail 54 of the playard 50, when the bassinet 10 is coupled to the playard 50. This allows the user to adjust the height of the base 14 in which the child is supported upon to the desired height, depending on the specific scenario. Further, the drop bar 24 can also be adjusted to the desired height depending on the specific scenario. The multiple adjustment capabilities of the bassinet 10 make the bassinet 10 suitable for many different height applications.

**[0083]** FIG. 8A is a perspective view of the playard 50. FIG. 8B is a detail view of a foot 56 of the playard 50 with an extension 62 separated from the foot 56. FIG. 8C is a detail view of a center foot 58 of the playard 50 with a central extension 64 separated from the center foot 58. FIG. 9A is a detailed perspective view of an alternative foot 56 and swivel extension 66 of the playard 50 of FIG. 8A, in a folded position. FIG. 9B is a detailed perspective view of the alternative foot 56 and the swivel extension 66 in an extend position. FIGS. 8A-9B will be discussed together.

**[0084]** As illustrated, the playard 50 can include a plurality of top rails 54, each connected through playard corners 53. Further, the playard 50 can include a plurality of legs 52 extending downwards from the playard corners toward a ground or supporting surface, the plurality of legs 52 being generally orthogonal to the plurality of top rails 54. As illustrated, in some examples, the playard 50

can include four of each of the top rails 54, playard corners 53, and legs 52. The playard 50 can further include a height adjustable foot 56 coupled to each of the plurality of legs 52 at a distal end of each of the legs 52 positioned closest to the ground or other supporting surface. Each height adjustable foot 56 of the playard 50 is configured to transition between a first position and a second position.

**[0085]** More specifically, when the height adjustable foot 56 is in the first position, the top rail 54 of the playard 50 stands at a first height relative to the ground or supporting surface. When the height adjustable foot 56 is in the second position, the top rail 54 of the playard 50 stands at a second height relative to the ground or supporting surface, with the second height being less than the first height. As such, each height adjustable foot 56 of the playard 50 is configured to adjust the height of the top rail 54 of the playard 50 relative to the ground or supporting surface. In turn, when the bassinet 10 is connected to the playard 50, this allows for further height adjustment of the base 14 of the bassinet 10 relative to the ground or supporting surface to achieve the desired height.

**[0086]** FIGS. 8B-8C illustrate a first embodiment of the height adjustable foot 56, hereinafter referred to as the foot 56. In the first embodiment, the foot 56 can be coupled to an extension 62, which extension 62 extends from the foot in a direction towards the ground or supporting surface. The extensions 62 can be coupled to each foot 56 through an interference fit, a fastener, or other known fastening technique. The extensions 62 can be any component that adds height or distance between a lower surface of the foot 56 and the ground or support surface. Therefore, the extension 62 is removably coupled to each foot 56, and when the extension 62 is coupled to each foot 56 the playard 50 stands at the first height, and when the extension 62 is removed from each foot 56 the playard 50 stands at the second height.

**[0087]** Referring specifically to FIG. 8C, in some examples, the playard 50 can further include a plurality of center supports 57 and a center foot 58 coupled to each of the plurality of center supports 57. Further, a central extension 64 can be coupled to each center foot 58 of the playard 50, with each central extension 64 extending from the center foot 58 in the direction towards the support surface in which the playard 50 stands when in use. Each of the central extensions 64 are

removably coupled to a center foot 58 of the playard 50 to transition between the first height and the second height. The central extensions 64 can be coupled to each center foot 58 through an interference fit, a fastener, or other known fastening technique. Further, the central extensions 64 can be any component that adds height or distance between a lower surface of the center foot 58 and the ground or support surface.

**[0088]** FIGS. 9A-9B illustrate an alternative embodiment of the height adjustable foot 56 of the playard 50. In the alternative embodiment, each height adjustable foot 56 includes swivel extensions 66 rotatably coupled to each foot 56. When the swivel extensions 66 are rotated into an extended position (FIG. 9B), the playard 50 stands at the first height. When the swivel extensions 66 are rotated into a folded position (FIG. 9A) the playard 50 stands at the second height. The swivel extensions 66 are an alternative to the extensions 62 of FIGS. 8B-8C. An advantage of the swivel extensions 66 being that they remain connected to each foot 56, preventing loss of the components.

**[0089]** In use, the height of the bassinet 10 can be adjusted relative to the playard 50 and/or the supporting surface. Specifically, the base 14 of the bassinet 10 can be adjusted relative to the support surface upon which the playard 50 is supported. The method or steps for adjusting the height can include removably connecting the bassinet 10 to the playard 50, and raising or lowering the bassinet 10 relative to the support surface. The aforementioned can include transitioning the extension 62 coupled to the foot 56 of the playard 50 between a first position and a second position. When in the first position, the playard 50 stands at a first height, and when in the second position the playard 50 stands at a second height that is less than the first height. Alternatively, or additionally, the height of bassinet 10 can be changed or altered by adjusting a height adjustment mechanism 38 connected to the frame 12 of the bassinet 10, the height adjustment mechanism 38 being connectable to the playard 50, and the height adjustment mechanism 38 is height adjustable to adjust a height of the bassinet 10 relative to the top rail 54 of the playard 50.

**[0090]** The present disclosure provides an assembly for holding a child, the assembly including the bassinet 10, 100 and playard 50, 150 of the present

disclosure which provide multiple modes of use and a separate sleeping surface for a child. The multiple modes of use include, for example: a pack-n-play (PnP) or playard mode, an adjustable height bed-side sleeper mode, an adjustable height bassinet mode, a stand-alone bassinet mode, and a Montessori bed mode for a developing child. The multiple modes of the bassinet 10, 100 and playard 50, 150 combination increases the range of beds and bed heights (of the parents) with which the bassinet 10, 100 and playard 50, 150 combination can be utilized with. For example, for a parent bed having a greater height from the floor, the bassinet 10, 100 can be raised to a higher position relative to the playard 50, 150 to align the bassinet 10, 100 and playard 50, 150 combination with the higher parent bed. Similarly, for a parent bed having a lower height from the floor, the bassinet 10, 100 can be lowered to a lower position relative to the playard 50, 150 to align the bassinet 10, 100 and playard 50, 150 combination with the lower parent bed.

**[0091]** As will be appreciated by persons having ordinary skill in the art, the assembly including the bassinet 10, 100 and playard 50, 150 can be used in a variety of locations and situations. For example, the assembly can be an accessory for pack-n-play (PnP) as an elevated bassinet area, or the assembly can be placed on the floor as a standalone unit, among other options not specifically listed. Being able to use the assembly in a pack-n-play (PnP) adds to the ease of accessibility and convenience of the overall assembly. Furthermore, the assembly includes different height options when used in the pack-n-play (PnP) for personal preference, as well as providing the capability of accommodating different bed heights if used as a sleeper device/assembly.

**[0092]** When the assembly is secured to a bed, such as a parent's bed, the bassinet 10, 100 including the drop bar 24 provides structure along the length of the line of contact between the assembly and the bed. In other words, the drop bar 24 can be configured to provide a rigid structure or supporting bar that extends between the bassinet 10, 100 and the bed, adding stability and robustness to the assembly. In some examples, based on applicable rules or regulations, such as consumer safety specifications, the drop bar 24 can be positioned about 7.5 inches above the base 14 or mattress on the base 14. But due to the need to easily access the child within the bassinet 10, 100, the drop bar 24 is height adjustable such

that the drop bar 24 can be adjusted to within 4 inches above the base 14 or mattress on the base 14. This allows the parent's to easily reach in and access the child within the bassinet 10, 100. In use, the drop bar 24 should be positioned such that when the drop bar 24 is adjacent the bed, the drop bar 24 is level with or below a top or upper surface of the bed. The aforementioned is designed to accommodate a range of different bed heights for the bed. Further, the bassinet 10, 100 being height adjustable in three modes (feet of play yard 50, 150; bassinet relative to the play yard 50, 150; and drop bar 24 being height adjustable) allows the assembly to be used with a wide variety of different bed heights, which is not provided by traditional or previous bassinets and other assemblies. In certain embodiments, the assembly may be adjustable in its entirety such that drop bar 24 and/or the mattress on the base 14 may be adjustably positioned from about 25 inches to about 32 inches off the floor.

**[0093]** Having thus described the present embodiments in detail, it is to be appreciated and will be apparent to those skilled in the art that many physical changes, only a few of which are exemplified in the detailed description of the disclosure, could be made without altering the inventive concepts and principles embodied therein.

**[0094]** It is also to be appreciated that numerous embodiments incorporating only part of the disclosed embodiments are possible which do not alter, with respect to those parts, the inventive concepts and principles embodied therein. The present embodiment and optional configurations are therefore to be considered in all respects as exemplary and/or illustrative and not restrictive, the scope of the disclosure being indicated by the appended claims rather than by the foregoing description, and all alternate embodiments and changes to this embodiment which come within the meaning and range of equivalency of said claims are therefore to be embraced therein.

## CLAIMS

What is claimed is:

1. A bassinet connectable to a playard, the bassinet comprising:
  - a frame;
  - a height adjustment mechanism connected to the frame, the height adjustment mechanism being connectable to the playard, and the height adjustment mechanism is height adjustable to adjust a height of the bassinet relative to a top rail of the playard.
2. The bassinet of claim 1, wherein the bassinet includes a first height adjustment mechanism connected to a first side of the frame, and a second height adjustment mechanism connected to a second side of the frame, the first side of the frame and the second side of the frame being opposite lateral sides of the frame.
3. The bassinet of claim 2, further comprising a drop bar transitionable between a top position and a bottom position relative to the frame of the bassinet, the drop bar is positioned on a third side of the frame, separate from the first side and the second side of the frame.
4. The bassinet of claim 3, wherein the drop bar is transitionable between the top position and the bottom position independently of the height adjustment mechanism.
5. The bassinet of claim 1, wherein the height adjustment mechanism includes:
  - a first slide connected through an adjustment bar to a second slide, the first slide and the second slide each being translatably coupled to corner supports of the bassinet, with the first slide and the second slide being vertically translatable relative to the corner supports; and
  - a coupler connected to the adjustment bar, wherein when the bassinet is connected to the playard, the coupler secures the bassinet to the playard.

6. The bassinet of claim 1, wherein the height adjustment mechanism includes:

a first mount height adjustably coupled to a first corner bar of the frame, wherein when the bassinet is connected to the playard, a mount face of the first mount contacts the playard and supports the bassinet relative to the playard; and

a second mount height adjustably coupled to a second corner bar of the frame, wherein when the bassinet is connected to the playard, a mount face of the second mount contacts the playard and supports the bassinet relative to the playard.

7. The bassinet of claim 6, wherein:

the first mount further includes a stop extending from a side of the first mount, wherein the stop contacts a protrusion of the first corner bar to fix a height of the first mount relative to the first corner bar; and

the second mount further includes a stop extending from a side of the second mount, wherein the stop contacts a protrusion of the second corner bar to fix a height of the second mount relative to the second corner bar.

8. An assembly for holding a child, the assembly comprising:

a bassinet removably connected to a playard;

the bassinet comprising:

a frame;

a height adjustment mechanism connected to the frame, the height adjustment mechanism being connectable to the playard, and the height adjustment mechanism is height adjustable to adjust a height of the bassinet relative to a top rail of the playard; and

the playard comprising:

a plurality of legs with a height adjustable foot coupled to each of the plurality of legs, each height adjustable foot being transitionable between a first position and a second position, when in the first position the playard

stands at a first height, and when in the second position the playard stands at a second height that is less than the first height.

9. The assembly of claim 8, wherein the bassinet further comprises a drop bar transitionable between a top position and a bottom position relative to the frame of the bassinet.

10. The assembly of claim 9, wherein the drop bar is vertically level or aligned with a rear bar of the frame in the top position, and the drop bar is positioned vertically lower than the rear bar and closer to a base of the bassinet in the bottom position.

11. The assembly of claim 9, wherein the drop bar is vertically translatable within a channel of a corner support of the bassinet.

12. The assembly of claim 9, wherein the drop bar is vertically translatable within a channel of a drop bar support of the bassinet, the drop bar support being separate from a corner bar of the bassinet.

13. The assembly of claim 9, wherein the drop bar includes a latch and a latch member for securing the drop bar in the top position.

14. The assembly of claim 8, wherein the bassinet includes a softgoods coupled to the frame of the bassinet, and wherein the playard includes a softgoods coupled to a playard frame of the playard.

15. An assembly for holding a child, the assembly comprising:  
a bassinet removably connected to a playard, the playard comprising:  
a playard frame including a plurality of legs;  
a foot coupled to a lower end of each of the plurality of legs; and

an extension coupled to each foot of the playard, wherein each extension extends from the foot in a direction towards a support surface in which the playard stands when in use;

wherein the playard is transitionable between a first position and a second position, when in the first position the playard stands at a first height, and when in the second position the playard stands at a second height that is less than the first height.

16. The assembly of claim 15, wherein the extension coupled to each foot is removably coupled to each foot, when the extension is coupled to each foot the playard stands at the first height, and when the extension is removed from each foot the playard stands at the second height.

17. The assembly of claim 15, wherein the extensions are swivel extensions rotatably coupled to each foot, when the swivel extensions are rotated into an extended position the playard stands at the first height, and when the swivel extension are rotated into a folded position the playard stands at the second height.

18. The assembly of claim 15, wherein the playard frame further includes a plurality of center supports and a center foot coupled to each of the plurality of center supports, wherein a central extension is coupled to each center foot of the playard and each central extension extends from the center foot in the direction towards the support surface in which the playard stands when in use.

19. The assembly of claim 18, wherein the central extension is removably coupled or rotatably coupled to each foot of the playard to transition between the first height and the second height.

20. The assembly of claim 15, wherein the first height and the second height are a vertical distance measured from the support surface to a top rail of the playard.

21. A method of adjusting a height of a base of a bassinet relative to a support surface upon which a playard is supported, the method comprising:

removably connecting the bassinet to the playard; and

raising or lowering the bassinet relative to the support surface by:

transitioning an extension coupled to a foot of the playard between a first position and a second position, when in the first position the playard stands at a first height, and when in the second position the playard stands at a second height that is less than the first height; or

adjusting a height adjustment mechanism connected to a frame of the bassinet, the height adjustment mechanism being connectable to the playard, and the height adjustment mechanism is height adjustable to adjust a height of the bassinet relative to a top rail of the playard.

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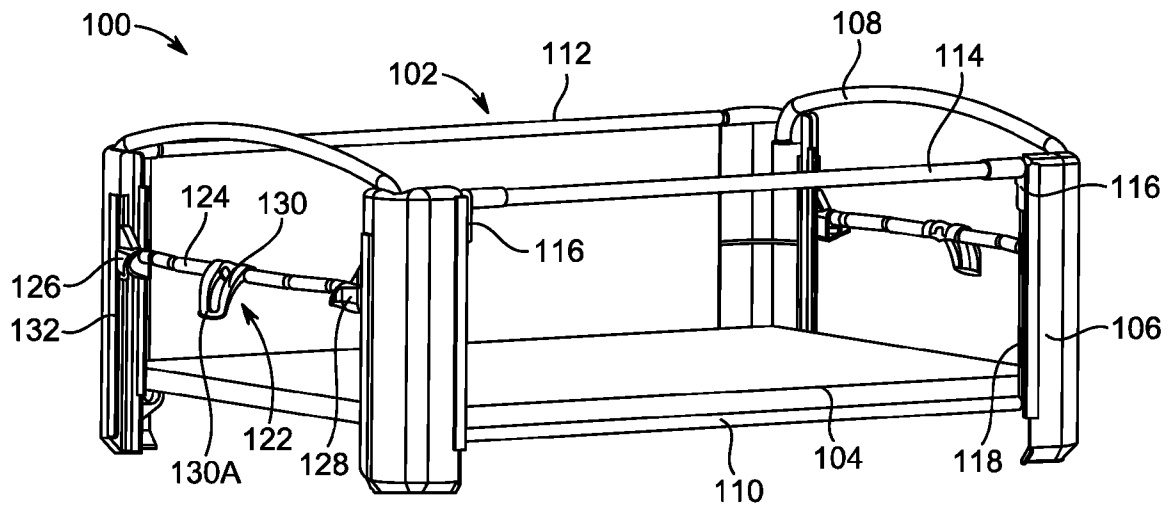


FIG. 1A

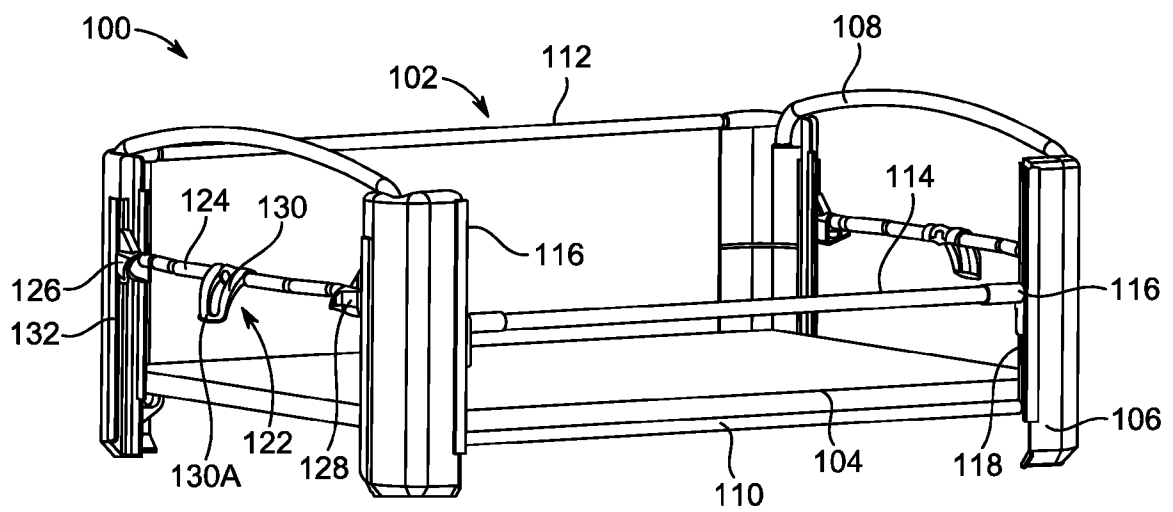


FIG. 1B

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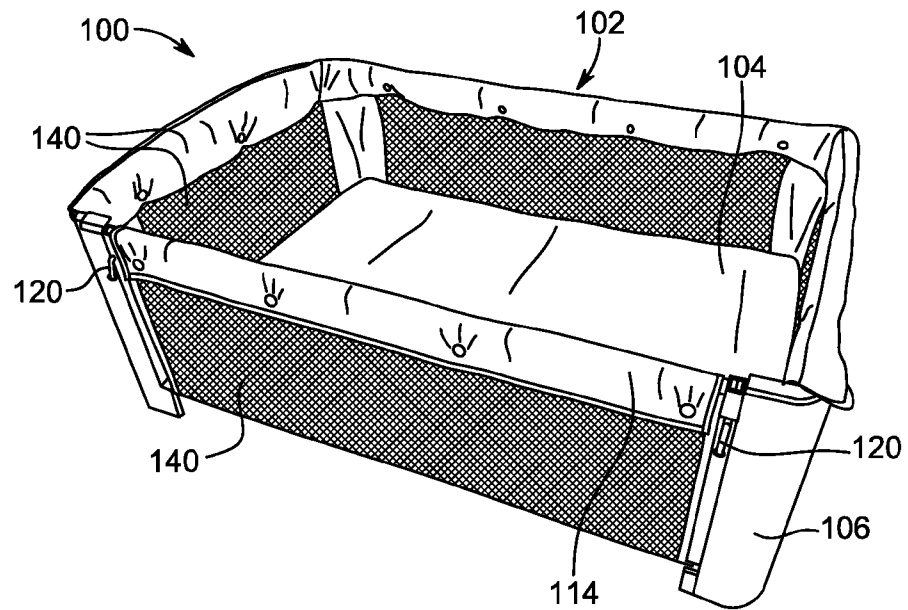


FIG. 2A

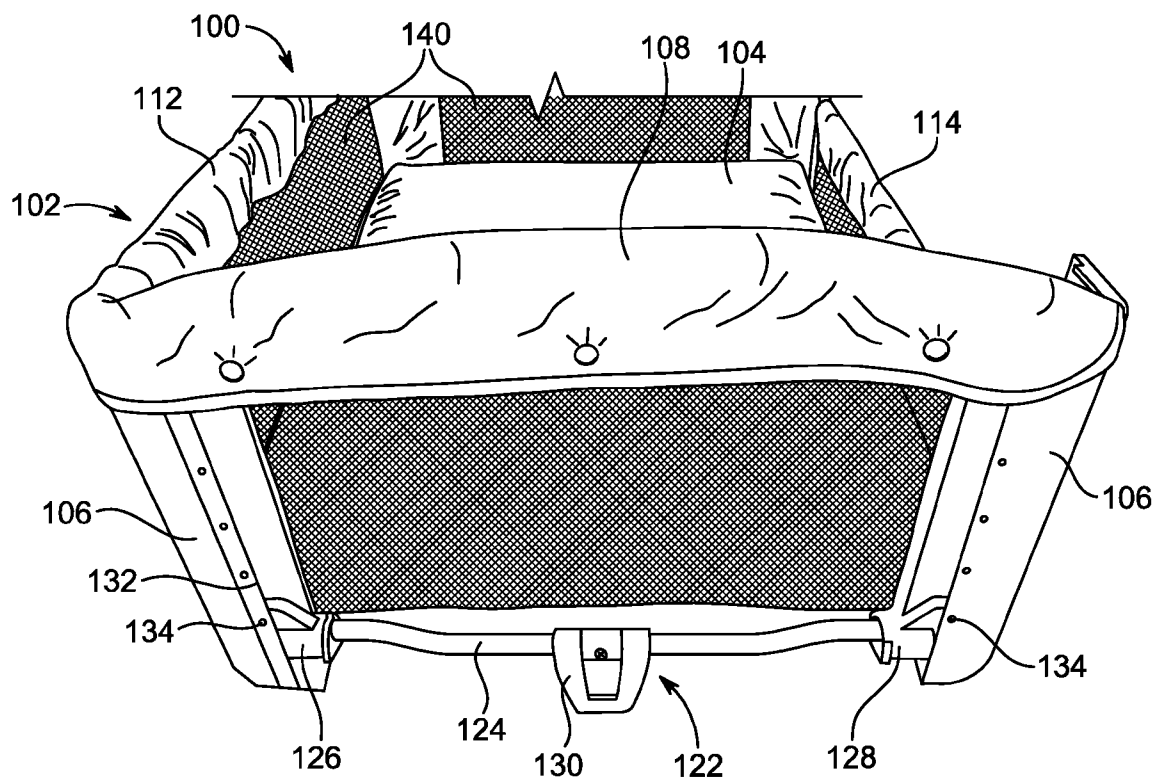


FIG. 2B

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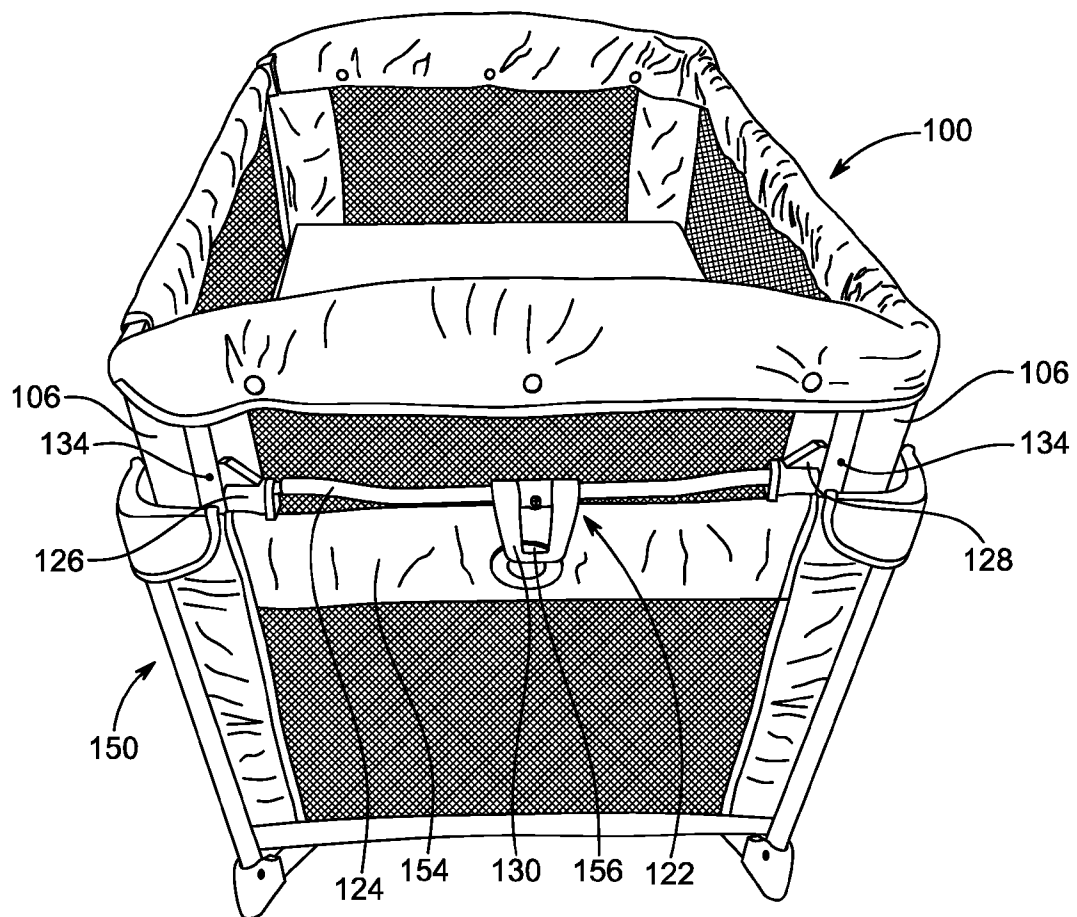


FIG. 3

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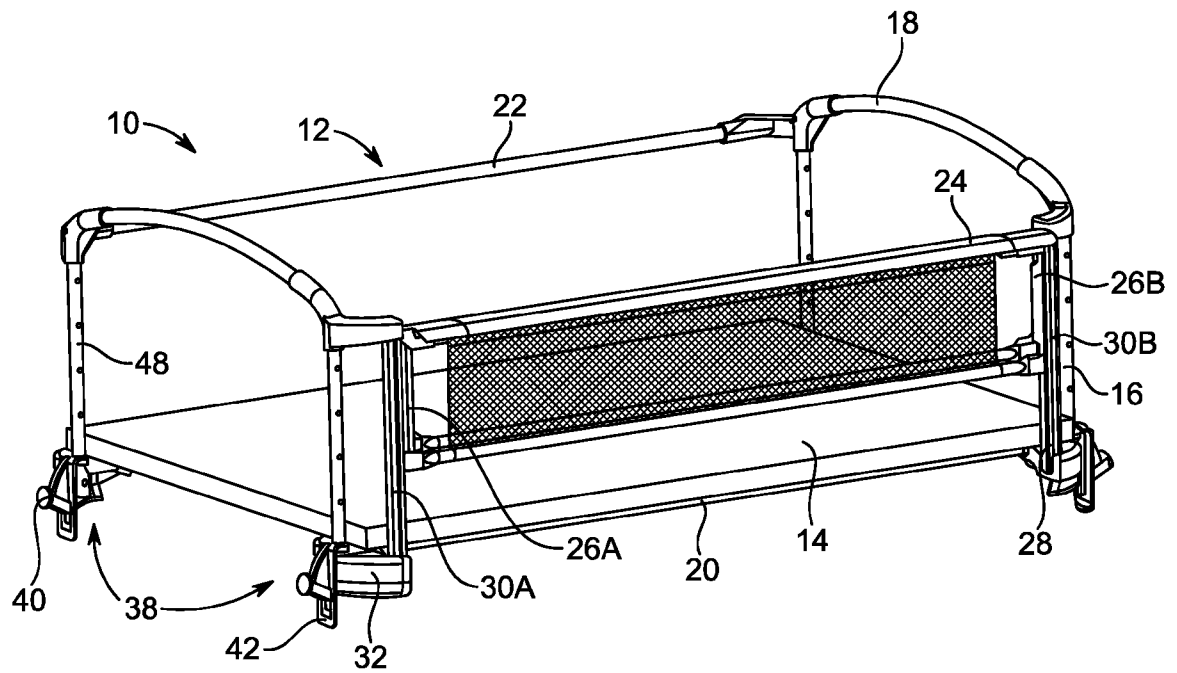


FIG. 4A

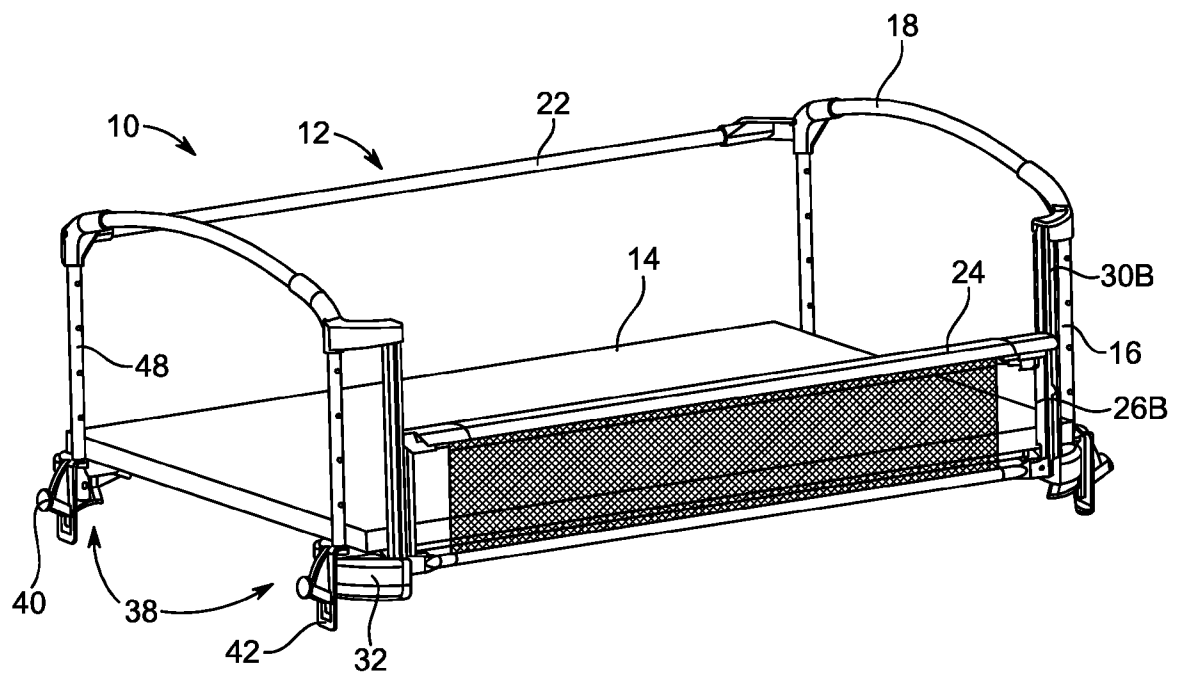


FIG. 4B

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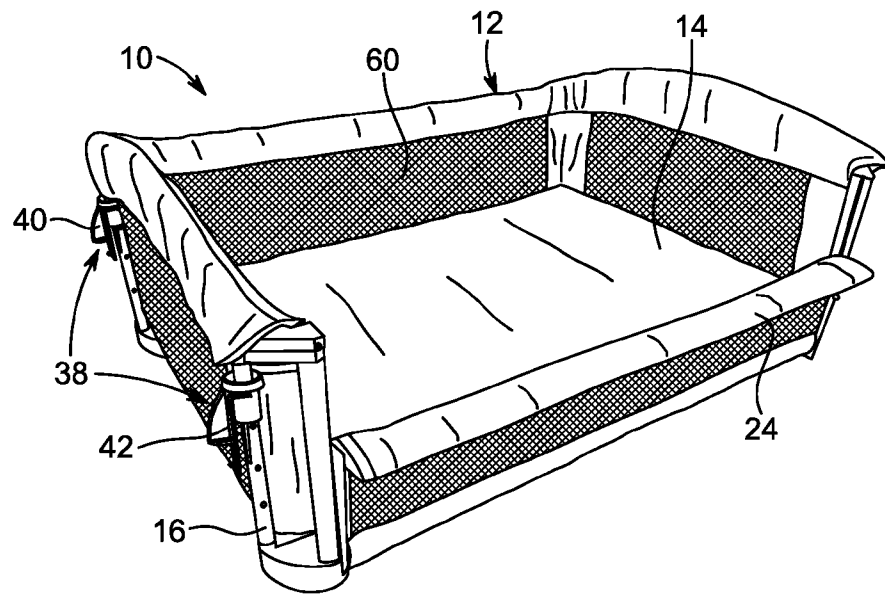


FIG. 5A

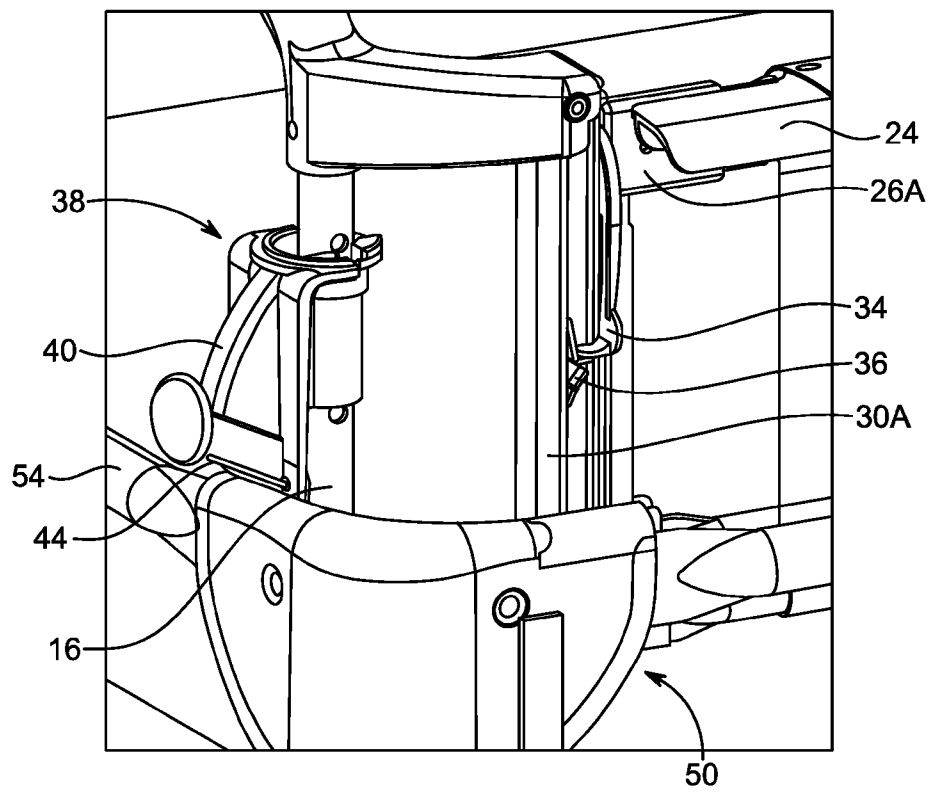


FIG. 5B

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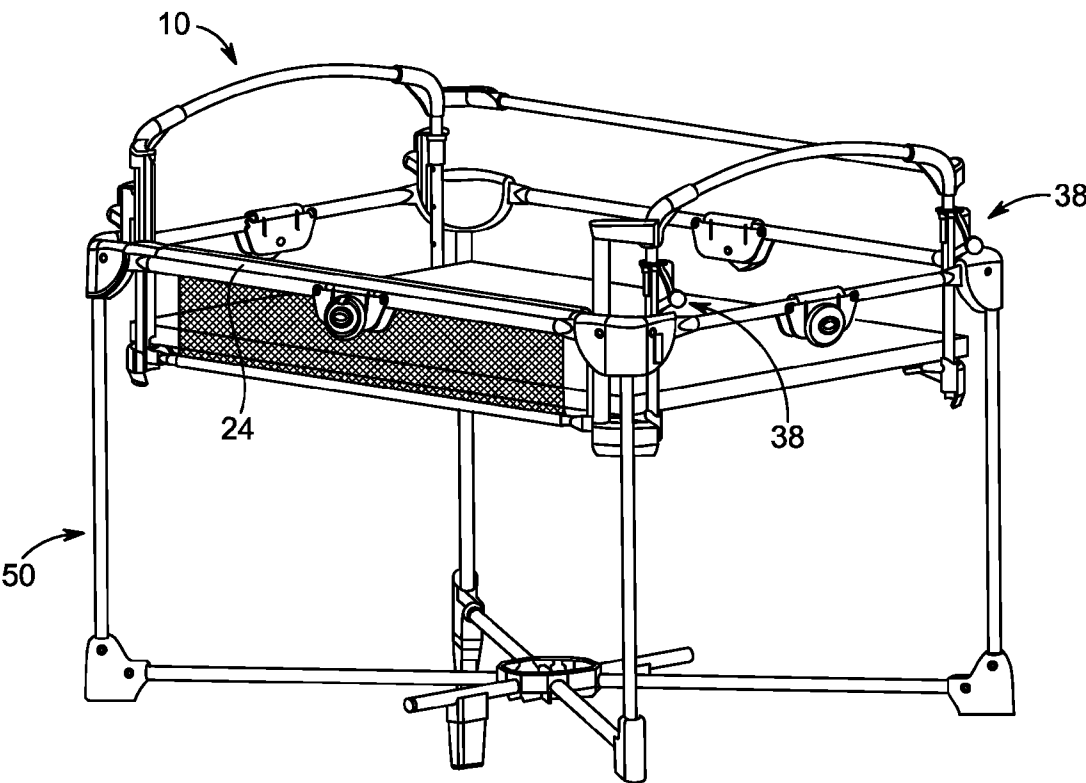


FIG. 6A

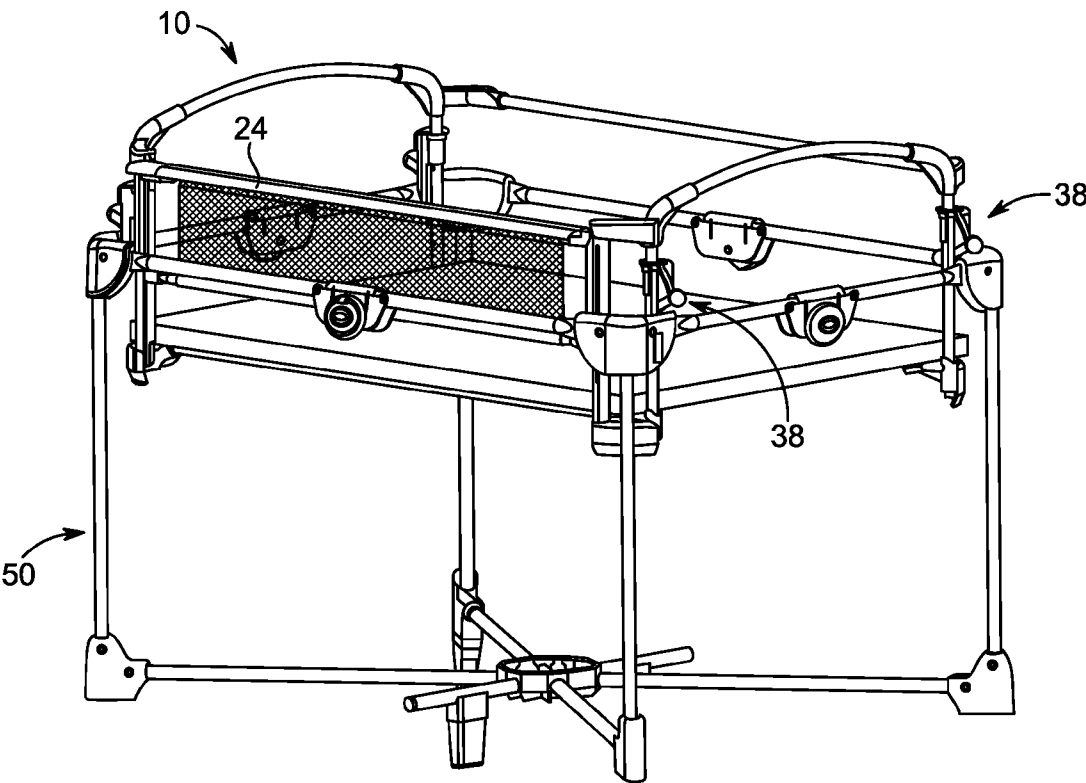


FIG. 6B

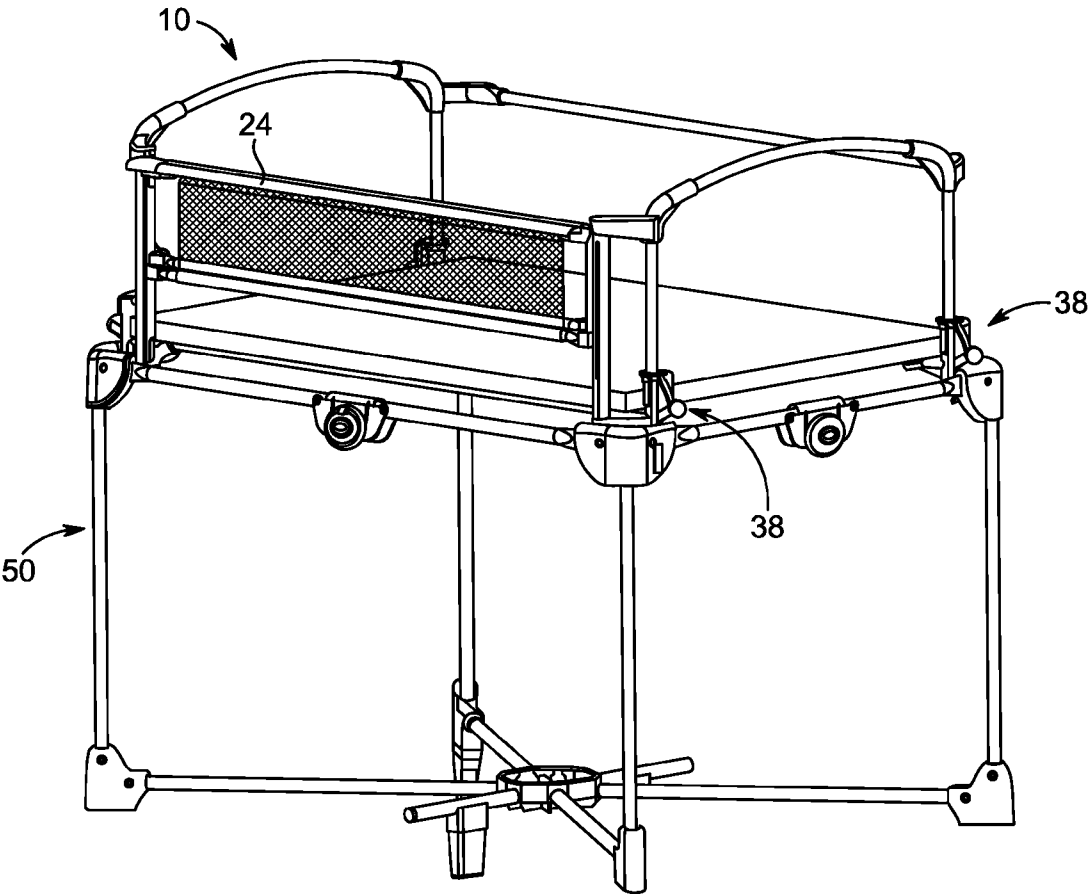


FIG. 6C

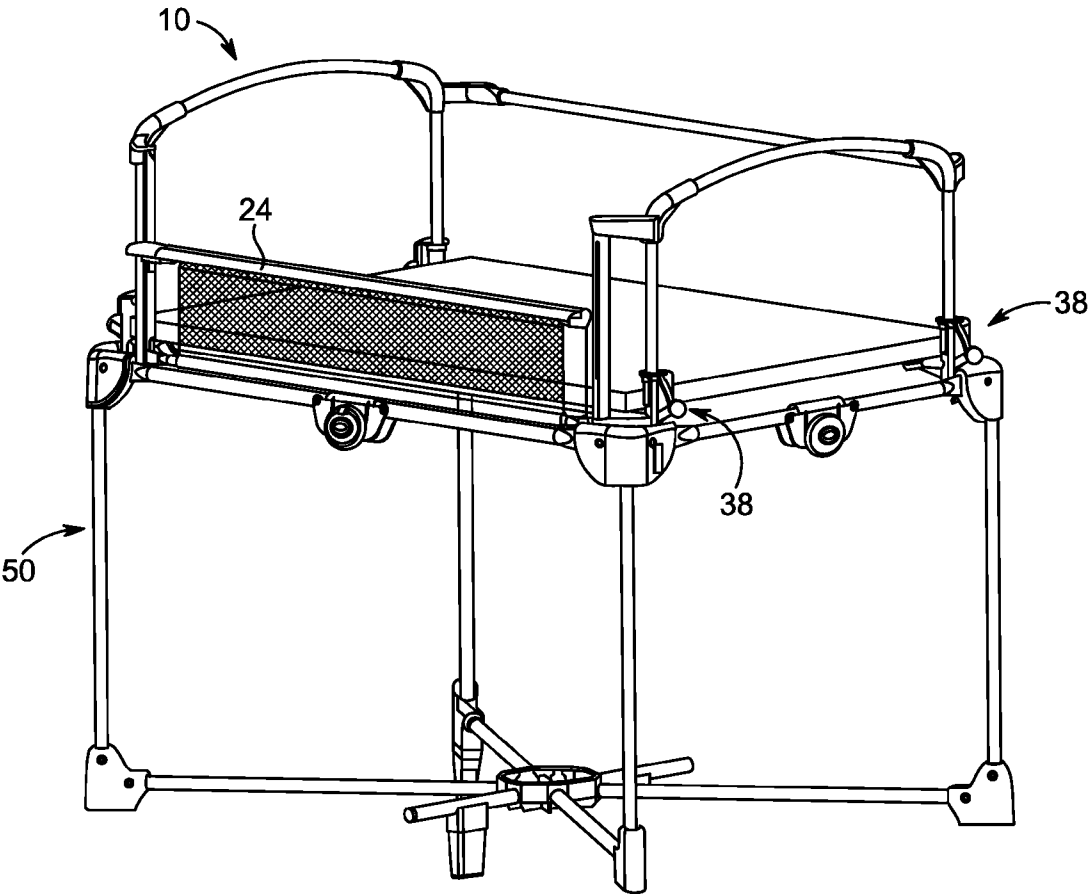


FIG. 6D

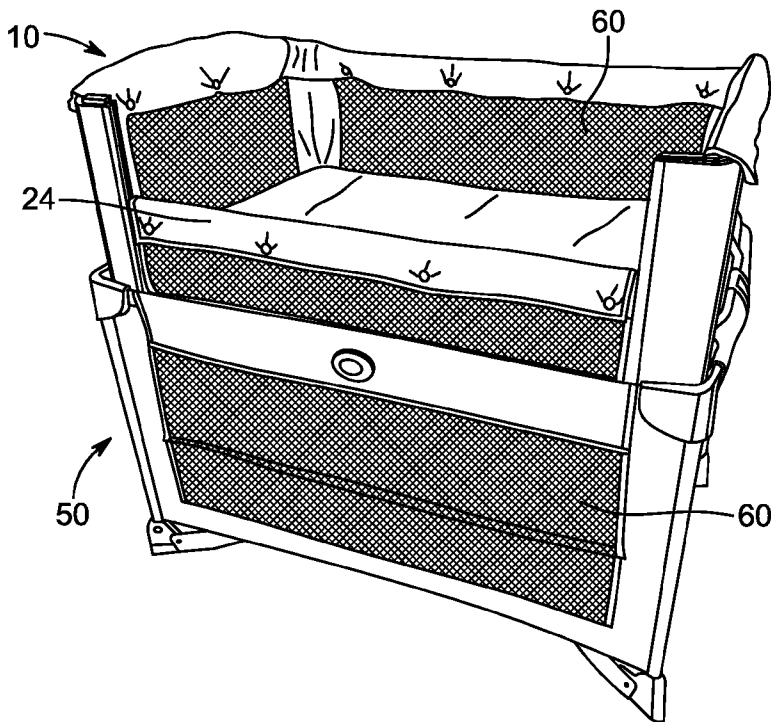


FIG. 6E

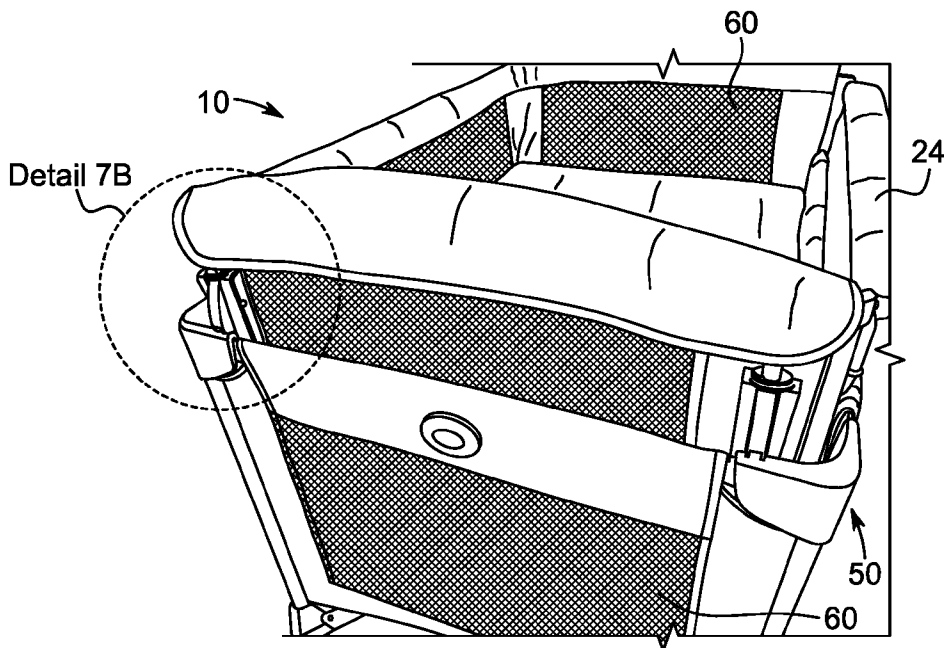


FIG. 7A

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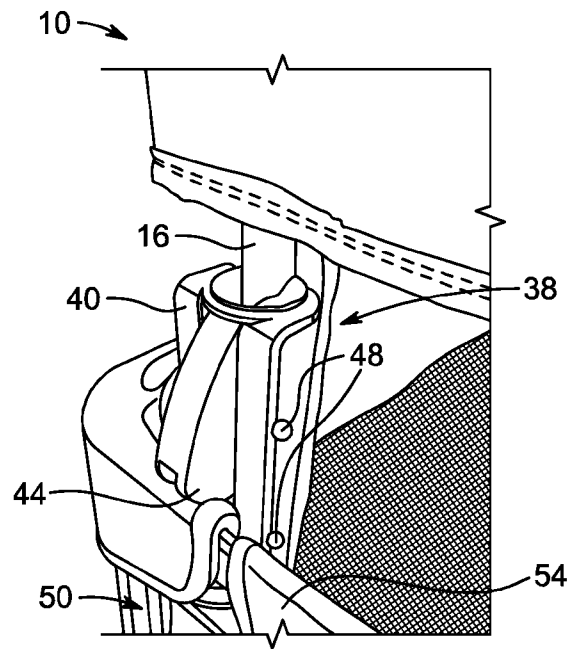


FIG. 7B

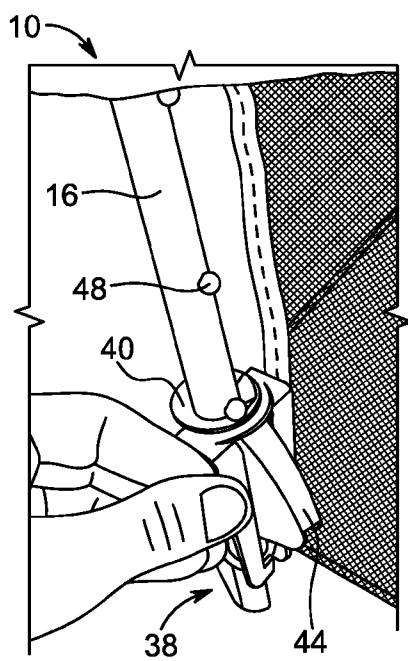


FIG. 7C

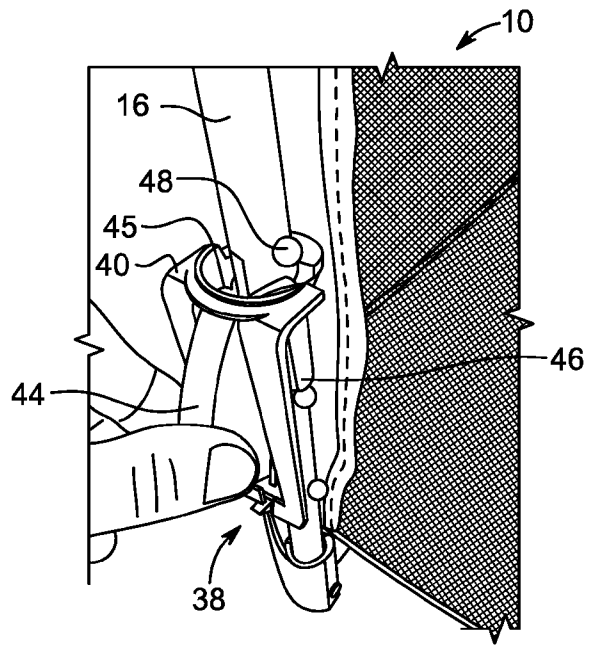


FIG. 7D

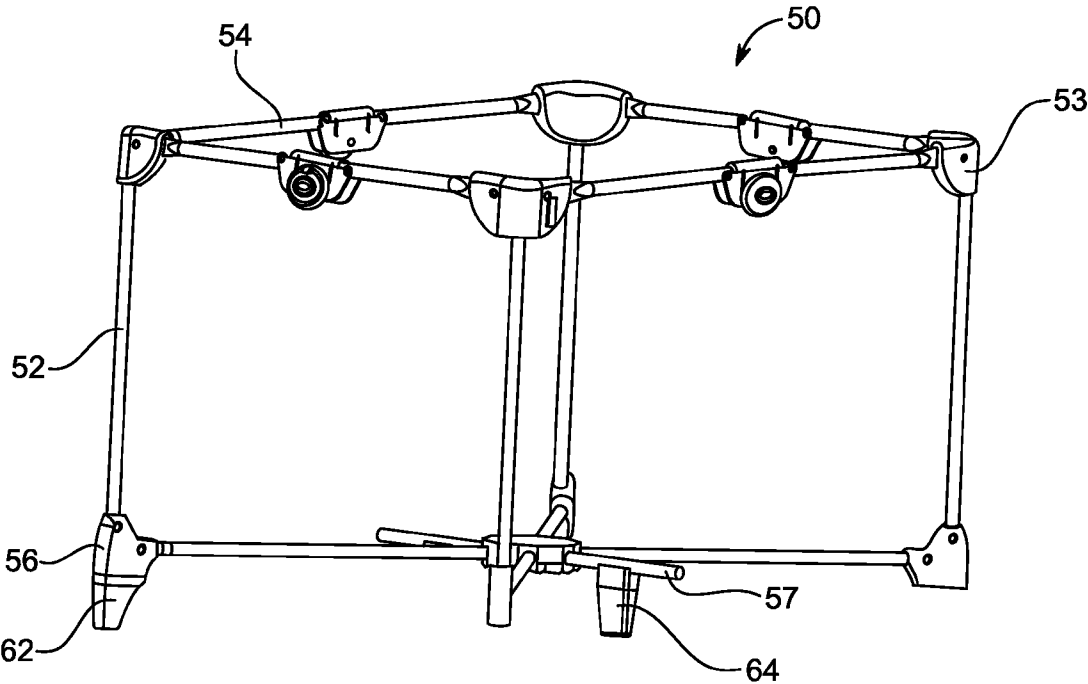


FIG. 8A

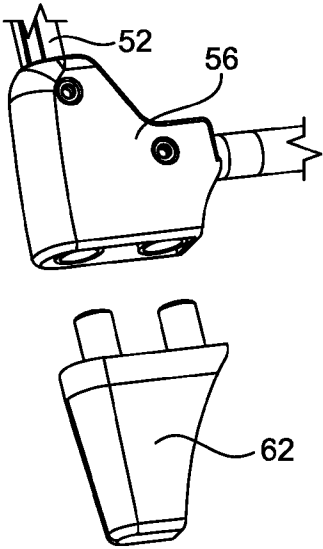


FIG. 8B

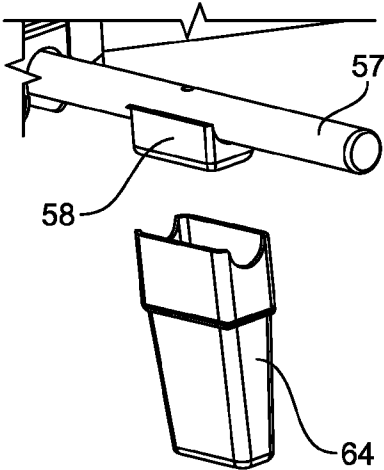


FIG. 8C

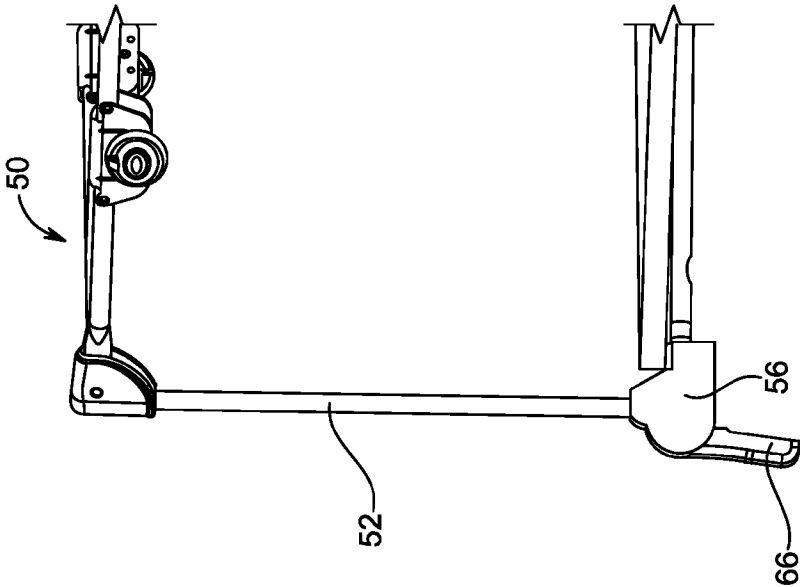


FIG. 9B

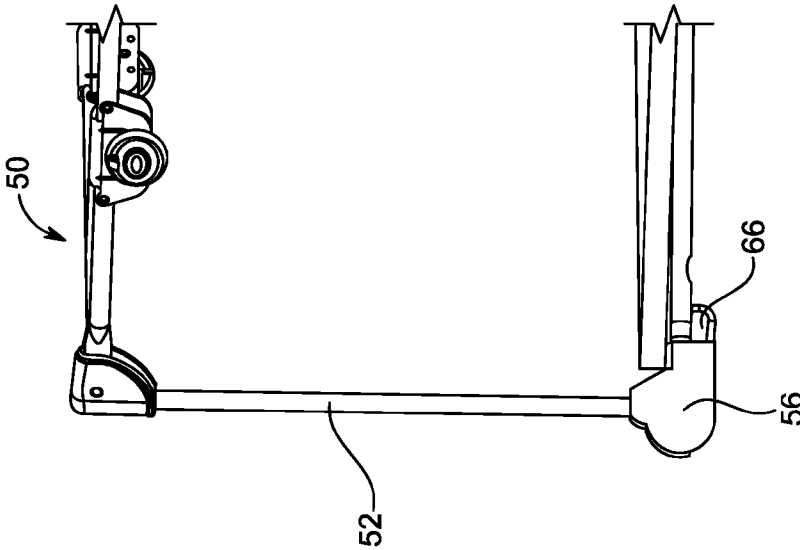


FIG. 9A

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2024/035579

**A. CLASSIFICATION OF SUBJECT MATTER**IPC: **A47D 9/00** (2024.01); **A47D 13/06** (2024.01); **A47D 7/02** (2024.01); **A47D 11/00** (2024.01)CPC: **A47D 9/012**; **A47D 7/02**; **A47D 9/016**; **A47D 13/063**; **A47D 11/00**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

See Search History Document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

See Search History Document

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History Document

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages       | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------------|-----------------------|
| X         | US 2021/0345791 A1 (WONDERLAND SWITZERLAND AG) 11 November 2021 (11.11.2021)             | 1, 2, 6, 7, 21        |
| Y         | entire document                                                                          | 3, 4, 8-11, 13-16, 20 |
| Y         | US 2022/0007853 A1 (CHINA WONDERLAND NURSERYGOODS CO. LTD.) 13 January 2022 (13.01.2022) | 3, 4, 9-11, 13        |
| Y         | entire document                                                                          |                       |
| Y         | CN 2513461 Y (ZHENG) 02 October 2002 (02.10.2002)                                        | 8-11, 13-16, 20       |
| Y         | see machine translation                                                                  |                       |
| A         | US 2009/0056013 A1 (HARTENSTINE et al.) 05 March 2009 (05.03.2009)                       | 1-21                  |
| A         | entire document                                                                          |                       |
| A         | US 5,553,336 A (MARIOL) 10 September 1996 (10.09.1996)                                   | 1-21                  |
| A         | entire document                                                                          |                       |



Further documents are listed in the continuation of Box C.



See patent family annex.

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“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“&” document member of the same patent family

Date of the actual completion of the international search

**03 September 2024 (03.09.2024)**

Date of mailing of the international search report

**19 September 2024 (19.09.2024)**

Name and mailing address of the ISA/US

**Mail Stop PCT, Attn: ISA/US**  
**Commissioner for Patents**  
**P.O. Box 1450, Alexandria, VA 22313-1450**

Facsimile No. **571-273-8300**

Authorized officer

**MATOS**  
**TAINA**

Telephone No. **571-272-4300**

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2024/035579

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|------------------------------------------------------------------------------------|-----------------------|
| A         | US 2009/0113624 A1 (TUCKEY) 07 May 2009 (07.05.2009)<br>entire document            | 1-21                  |
| <hr/>     |                                                                                    |                       |