WHAT IS CLAIMED IS:

1. A foldable infant carry cot (100) comprising:

at least one cushion (600) disposed on an interior side of the carry cot (100), the at least one cushion (600) comprising a plurality of removably attachable fasteners (610) for attaching the at least one cushion (600) to a side wall of the carry cot (100).

2. The foldable infant carry cot (100) according to claim 1, the at least one cushion (600) comprising at least one of:

a shock-absorbing component that absorbs impact coming from any of the sides of the carry cot (100); and

an elastic body or an elastic body covered with material or fabric.

~~3. The foldable infant carry cot (100) according to claim 1, the at least one cushion (600) comprising an elastic body or an elastic body covered with material or fabric.~~

~~4~~3. The foldable infant carry cot (100) according to claim 1, the at least one cushion (600) comprising Styrofoam, expandable polypropylene (EPP), expandable polystyrene (EPS), expandable polyolefin (EPO), polyethylene (PE) board with foam, or PE board with rubber.

~~5~~4. The foldable infant carry cot (100) according to claim 1, the removably attachable fasteners (610) comprising magnets, buttons, snaps, clips, or hook and loop fabric fasteners.

~~6~~5. The foldable infant carry cot (100) according to claim 1, the carry cot (100) further comprising a pouch for housing the at least one cushion (600) and the cushion (600) is disposed in the pouch while the pouch holds the cushion (600) in position.

~~7. The foldable infant carry cot (100) according to claim 1, wherein the cushion (600) is an extension of an upper frame (200) of the carry cot (100) or is attached to the upper frame (200) of the carry cot (100).~~

~~8~~6. The foldable infant carry cot (100) according to claim 1, wherein the at least one cushion (600) is attached to an upper frame (200) or a lower frame (300) of the carry cot (100) by a joint, a clip, fabric, a hinge, a fabric hinge, a hook, or a clasp.

~~9. The foldable infant carry cot (100) according to claim 1, wherein the at least one cushion (600) is an extension of a lower frame (300) of the carry cot (100) or is attached to the lower~~

~~frame (300) of the carry cot (100).~~

~~10. The foldable infant carry cot (100) according to claim 1, wherein the at least one cushion (600) is attached to a lower frame (300) by a joint, a clip, fabric, a hinge, a fabric hinge, a hook, or a clasp.~~

~~11. The foldable infant carry cot (100) according to claim 1, wherein the at least one cushion (600) forms a pocket between the at least one cushion and the side wall of the carry cot (100).~~

~~12. The foldable infant carry cot (100) according to claim 1, wherein the at least one cushion (600) comprises various shapes, sizes, thicknesses, materials, fabrics, or colors.~~

~~13. A foldable infant carry cot (100) comprising:~~

~~a foldable frame allowing the carry cot (100) to fold and collapse.~~

~~14. The foldable infant carry cot (100) according to claim 13, the foldable frame comprising:~~

~~an upper frame (200);~~

~~a lower frame (300);~~

~~a flexible sidewall (400) disposed between the upper frame (200) and the lower frame (300);~~

~~a carrying handle (500); and~~

~~a plurality of hinges (700) disposed between the upper frame (200) and the lower frame (300).~~

~~15. The foldable infant carry cot (100) according to claim 14, each of the plurality of hinges (700) comprising:~~

~~an upper bracket (710) rotatably connected to the upper frame (200);~~

~~a lower bracket (720) rotatably connected to the lower frame (300); and~~

~~a pivot pin (730), the pivot pin (730) holding a bottom of the upper bracket (710) and a top of the lower bracket (720) together while allowing the upper bracket (710) and the lower bracket (720) to rotatably move away from or closer to each other by pivoting around the pivot pin (730).~~

~~16. The foldable infant carry cot (100) according to claim 15, wherein as the hinge (700) folds and the carry cot (100) collapses, the upper bracket (710) and lower bracket (720) move closer to each other, the top of the upper bracket (710) rotates around the upper frame (200) in a first~~

~~direction, and the bottom of the lower bracket (720) rotates around the lower frame (300) in a second direction.~~

~~17. The foldable infant carry cot (100) according to claim 16, wherein as the hinge (700) opens and the carry cot (100) unfolds, the upper bracket (710) and lower bracket (720) move away from each other, the top of the upper bracket (710) rotates around the upper frame (200) in the second direction, and the bottom of the lower bracket (720) rotates around the lower frame (300) in the first direction.~~

~~18. The foldable infant carry cot (100) according to claim 14, wherein two of the plurality of hinges (700) are disposed on either side of the carry cot (100) nearest an occupant's head position.~~

~~19. The foldable infant carry cot (100) according to claim 14, wherein one of the plurality of hinges (700) is disposed at an end of the carry cot (100) nearest an occupant's head position.~~

~~20. The foldable infant carry cot (100) according to claim 14, wherein one of the plurality of hinges (700) is disposed at an end of the carry cot (100) nearest an occupant's feet position.~~

~~21. The foldable infant carry cot (100) according to claim 14, the plurality of hinges (700) further comprising:~~

~~locking elements allowing the hinges (700) to be locked in place when the folding frame of the carry cot (100) is unfolded and prevents the upper frame (200) and the flexible sidewall (400) from collapsing.~~

~~22. The foldable infant carry cot (100) according to claim 21, the locking elements comprising a latch, a latch handle, a spring, and a lock shaft.~~

~~23. The foldable infant carry cot (100) according to claim 22, wherein when the carry cot (100) is completely unfolded, the spring pushes the lock shaft into an indentation, slot, or hole and the hinge (700) becomes locked in an open position.~~

~~24. The foldable infant carry cot (100) according to claim 14, the lower frame (300) further comprising a baseboard (350) that provides a floor to the carry cot (100).~~

~~25. The foldable infant carry cot (100) according to claim 14, wherein the upper frame (200)~~

~~and/or the lower frame (300) comprise a single piece hoop/ring structure.~~

~~26. The foldable infant carry cot (100) according to claim 14, wherein the upper frame (200) and/or the lower frame (300) comprise a plurality of pieces that fit together to form a hoop/ring structure.~~

~~27. The foldable infant carry cot (100) according to claim 14, wherein the upper frame (200) and/or the lower frame (300) comprise metal or plastic material that is hollow or solid.~~

~~28. The foldable infant carry cot (100) according to claim 14, wherein the flexible sidewall (400) is removable from the upper frame (200) and the lower frame (300).~~

~~29. The foldable infant carry cot (100) according to claim 14, the flexible sidewall (400) comprising mating fastening elements that connect to hold the top of the flexible sidewall (400) to the upper frame (200) and the bottom of the flexible sidewall (400) to the lower frame (300).~~

~~30. The foldable infant carry cot (100) according to claim 14, the carry cot (100) further comprising:~~

~~a retractable canopy (800);~~

~~wherein, the retractable canopy (800) can be pushed back/down to expose an interior of the carry cot (100) for loading an occupant and pulled forward/up to cover an area above the occupant's head position.~~

~~31. The foldable infant carry cot (100) according to claim 24, the carry cot (100) further comprising:~~

~~mounting elements (900) on the baseboard (350) or the lower frame (300) that allow the carry cot (100) to be removably attached to a stroller.~~

~~32~~7. A foldable infant carry cot (100) comprising:

at least one cushion (600) disposed on an interior side of the carry cot (100), the at least one cushion (600) comprising a plurality of removably attachable fasteners (610) for attaching the at least one cushion (600) to a side wall of the carry cot (100); and

a foldable frame allowing the carry cot (100) to fold and collapse.

~~33. The foldable infant carry cot (100) according to claim 32, the at least one cushion (600) comprising a shock-absorbing component that absorbs impact coming from any of the sides of~~

~~the carry cot (100).~~

~~34. The foldable infant carry cot (100) according to claim 32, the at least one cushion (600) comprising an elastic body or an elastic body covered with material or fabric.~~

~~35. The foldable infant carry cot (100) according to claim 32, the at least one cushion (600) comprising Styrofoam, expandable polypropylene (EPP), expandable polystyrene (EPS), expandable polyolefin (EPO), polyethylene (PE) board with foam, or PE board with rubber.~~

~~36. The foldable infant carry cot (100) according to claim 32, the removably attachable fasteners (610) comprising magnets, buttons, snaps, clips, or hook and loop fabric fasteners.~~

~~37~~8. The foldable infant carry cot (100) according to claim ~~32~~7, the carry cot (100) further comprising a pouch for housing the at least one cushion (600) and the cushion (600) is disposed in the pouch while the pouch holds the cushion (600) in position.

~~38. The foldable infant carry cot (100) according to claim 32, wherein the cushion (600) is an extension of an upper frame (200) of the carry cot (100) or is attached to the upper frame (200)~~

~~of the carry cot (100).~~

~~39. The foldable infant carry cot (100) according to claim 32, wherein the at least one cushion (600) is attached to an upper frame (200) by a joint, a clip, fabric, a hinge, a fabric hinge, a hook, or a clasp.~~

~~40. The foldable infant carry cot (100) according to claim 32, wherein the at least one cushion (600) is an extension of a lower frame (300) of the carry cot (100) or is attached to the lower frame (300) of the carry cot (100).~~

~~41. The foldable infant carry cot (100) according to claim 32, wherein the at least one cushion (600) is attached to a lower frame (300) by a joint, a clip, fabric, a hinge, a fabric hinge, a hook, or a clasp.~~

~~42. The foldable infant carry cot (100) according to claim 32, wherein the at least one cushion (600) forms a pocket between the at least one cushion (600) and the side wall of the carry cot (100).~~

~~43. The foldable infant carry cot (100) according to claim 32, wherein the at least one cushion (600) comprises various shapes, sizes, thicknesses, materials, fabrics, or colors.~~

~~44~~9. The foldable infant carry cot (100) according to claim ~~32~~7, the foldable frame comprising:

an upper frame (200);

a lower frame (300);

a flexible sidewall (400) disposed between the upper frame (200) and the lower frame (300);

a carrying handle (500); and

a plurality of hinges (700) disposed between the upper frame (200) and the lower frame (300).

~~45~~10. The foldable infant carry cot (100) according to claim ~~44~~9, each of the plurality of hinges (700) comprising:

an upper bracket (710) rotatably connected to the upper frame (200);

a lower bracket (720) rotatably connected to the lower frame (300); and

a pivot pin (730), the pivot pin (730) holding a bottom of the upper bracket (710) and a top of the lower bracket (720) together while allowing the upper bracket (710) and the lower

bracket (720) to rotatably move away from or closer to each other by pivoting around the pivot pin (730).

~~46~~11. The foldable infant carry cot (100) according to claim ~~45~~10, wherein as the hinge (700) folds and the carry cot (100) collapses, the upper bracket (710) and lower bracket (720) move closer to each other, the top of the upper bracket (710) rotates around the upper frame (200) in a first direction, and the bottom of the lower bracket (720) rotates around the lower frame (300) in a second direction.

~~47~~12. The foldable infant carry cot (100) according to claim ~~46~~11, wherein as the hinge (700) opens and the carry cot (100) unfolds, the upper bracket (710) and lower bracket (720) move away from each other, the top of the upper bracket (710) rotates around the upper frame (200) in the second direction, and the bottom of the lower bracket (720) rotates around the lower frame (300) in the first direction.

~~48~~13. The foldable infant carry cot (100) according to claim ~~44~~9, wherein two of the plurality of hinges (700) are disposed on either side of the carry cot (100) nearest an occupant's head position.

~~49~~14. The foldable infant carry cot (100) according to claim ~~44~~9, wherein one of the plurality of hinges (700) is disposed at an end of the carry cot (100) nearest an occupant's head position; and/or

wherein one of the plurality of hinges (700) is disposed at an end of the carry cot (100) nearest an occupant's feet position.

~~50. The foldable infant carry cot (100) according to claim 44, wherein one of the plurality of hinges (700) is disposed at an end of the carry cot (100) nearest an occupant's feet position.~~

~~51~~15. The foldable infant carry cot (100) according to claim ~~44~~9, the plurality of hinges (700) further comprising:

locking elements allowing the hinges (700) to be locked in place when the folding frame of the carry cot (100) is unfolded and prevents the upper frame (200) and the flexible sidewall (400) from collapsing.

~~52~~16. The foldable infant carry cot (100) according to claim ~~51~~15, the locking elements comprising a latch, a latch handle, a spring, and a lock shaft, wherein when the carry cot (100)

is completely unfolded, the spring pushes the lock shaft into an indentation, slot, or hole and the hinge (700) becomes locked in an open position.

~~53. The foldable infant carry cot (100) according to claim 52, wherein when the carry cot (100) is completely unfolded, the spring pushes the lock shaft into an indentation, slot, or hole and the hinge (700) becomes locked in an open position.~~

~~54~~17. The foldable infant carry cot (100) according to claim ~~44~~9, the lower frame (300) further comprising a baseboard (350) that provides a floor to the carry cot (100).

~~55~~18. The foldable infant carry cot (100) according to claim ~~44~~9, wherein the upper frame (200) and/or the lower frame (300) comprise at least one of:

a single piece hoop/ring structure; and

a plurality of pieces that fit together to form a hoop/ring structure.

~~56. The foldable infant carry cot (100) according to claim 44, wherein the upper frame (200) and/or the lower frame (300) comprise a plurality of pieces that fit together to form a hoop/ring structure.~~

~~57~~19. The foldable infant carry cot (100) according to claim ~~44~~9, wherein the upper frame (200) and/or the lower frame (300) comprise metal or plastic material that is hollow or solid;

the flexible sidewall (400) is removable from the upper frame (200) and the lower frame (300); and

the flexible sidewall (400) comprising mating fastening elements that connect to hold the top of the flexible sidewall (400) to the upper frame (200) and the bottom of the flexible sidewall (400) to the lower frame (300).

~~58. The foldable infant carry cot (100) according to claim 44, wherein the flexible sidewall (400) is removable from the upper frame (200) and the lower frame (300).~~

~~59. The foldable infant carry cot (100) according to claim 44, the flexible sidewall (400) comprising mating fastening elements that connect to hold the top of the flexible sidewall (400) to the upper frame (200) and the bottom of the flexible sidewall (400) to the lower frame (300).~~

~~60~~20. The foldable infant carry cot (100) according to claim ~~32~~7, the carry cot (100) further comprising:

a retractable canopy (800);

wherein, the retractable canopy (800) can be pushed back/down to expose an interior of the carry cot (100) for loading an occupant and pulled forward/up to cover an area above the occupant's head position.

~~61. The foldable infant carry cot (100) according to claim 44, the carry cot (100) further comprising:~~

~~mounting elements (900) on a baseboard (350) or the lower frame (300) that allow the carry cot (100) to be removably attached to a stroller.~~

~~62. A foldable infant carry cot (100) comprising:~~

~~a foldable frame allowing the carry cot (100) to fold and collapse; and~~

~~at least one cushion (600) disposed on an interior side of the carry cot (100), the at least one cushion (600) connected to the foldable frame.~~

~~63. The foldable infant carry cot (100) according to claim 62, the at least one cushion (600) comprising a shock-absorbing component that absorbs impact coming from any of the sides of the carry cot (100).~~

~~64. The foldable infant carry cot (100) according to claim 62, the at least one cushion (600) comprising an elastic body or an elastic body covered with material or fabric.~~

~~65. The foldable infant carry cot (100) according to claim 62, the at least one cushion (600) comprising Styrofoam, expandable polypropylene (EPP), expandable polystyrene (EPS), expandable polyolefin (EPO), polyethylene (PE) board with foam, or PE board with rubber.~~

~~66. The foldable infant carry cot (100) according to claim 62, wherein the cushion (600) is an extension of an upper frame (200) of the carry cot (100) or is attached to the upper frame (200) of the carry cot (100).~~

~~67. The foldable infant carry cot (100) according to claim 62, wherein the at least one cushion (600) is attached to an upper frame (200) by a joint, a clip, fabric, a hinge, a fabric hinge, a hook, or a clasp.~~

~~68. The foldable infant carry cot (100) according to claim 62, wherein the at least one cushion (600) is an extension of a lower frame (300) of the carry cot (100) or is attached to the lower~~

~~frame (300) of the carry cot (100).~~

~~69. The foldable infant carry cot (100) according to claim 62, wherein the at least one cushion (600) is attached to a lower frame (300) by a joint, a clip, fabric, a hinge, a fabric hinge, a hook, or a clasp.~~

~~70. The foldable infant carry cot (100) according to claim 62, wherein the at least one cushion (600) forms a pocket between the at least one cushion (600) and a side wall of the carry cot (100).~~

~~71. The foldable infant carry cot (100) according to claim 62, wherein the at least one cushion (600) comprises various shapes, sizes, thicknesses, materials, fabrics, or colors.~~

~~72. The foldable infant carry cot (100) according to claim 62, the foldable frame comprising:~~

~~an upper frame (200);~~

~~a lower frame (300);~~

~~a flexible sidewall (400) disposed between the upper frame (200) and the lower frame (300);~~

a carrying handle (500); and

a plurality of hinges (700) disposed between the upper frame (200) and the lower frame (300).

73. The foldable infant carry cot (100) according to claim 72, each of the plurality of hinges (700) comprising:

an upper bracket (710) rotatably connected to the upper frame (200);

a lower bracket (720) rotatably connected to the lower frame (300); and

a pivot pin (730), the pivot pin (730) holding a bottom of the upper bracket (710) and a top of the lower bracket (720) together while allowing the upper bracket (710) and the lower bracket (720) to rotatably move away from or closer to each other by pivoting around the pivot pin (730).

74. The foldable infant carry cot (100) according to claim 73, wherein as the hinge (700) folds and the carry cot (100) collapses, the upper bracket (710) and the lower bracket (720) move closer to each other, the top of the upper bracket (710) rotates around the upper frame (200) in a first direction, and the bottom of the lower bracket (720) rotates around the lower frame (300) in a second direction.

~~75. The foldable infant carry cot (100) according to claim 74, wherein as the hinge (700) opens and the carry cot (100) unfolds, the upper bracket (710) and the lower bracket (720) move away from each other, the top of the upper bracket (710) rotates around the upper frame (200) in the second direction, and the bottom of the lower bracket (720) rotates around the lower frame (300) in the first direction.~~

~~76. The foldable infant carry cot (100) according to claim 72, wherein two of the plurality of hinges (700) are disposed on either side of the carry cot (100) nearest an occupant's head position.~~

~~77. The foldable infant carry cot (100) according to claim 72, wherein one of the plurality of hinges (700) is disposed at an end of the carry cot (100) nearest an occupant's head position.~~

~~78. The foldable infant carry cot (100) according to claim 72, wherein one of the plurality of hinges (700) is disposed at an end of the carry cot (100) nearest an occupant's feet position.~~

~~79. The foldable infant carry cot (100) according to claim 72, the plurality of hinges (700)~~

further comprising:

locking elements allowing the hinges (700) to be locked in place when the folding frame of the carry cot (100) is unfolded and prevents the upper frame (200) and the flexible sidewall (400) from collapsing.

80. The foldable infant carry cot (100) according to claim 79, the locking elements comprising a latch, a latch handle, a spring, and a lock shaft.

81. The foldable infant carry cot (100) according to claim 80, wherein when the carry cot (100) is completely unfolded, the spring pushes the lock shaft into an indentation, slot, or hole and the hinge (700) becomes locked in an open position.

82. The foldable infant carry cot (100) according to claim 72, the lower frame (300) further comprising a baseboard (350) that provides a floor to the carry cot (100).

83. The foldable infant carry cot (100) according to claim 72, wherein the upper frame (200) and/or the lower frame (300) comprise a single piece hoop/ring structure.

84. The foldable infant carry cot (100) according to claim 72, wherein the upper frame (200) and/or the lower frame (300) comprise a plurality of pieces that fit together to form a hoop/ring structure.

85. The foldable infant carry cot (100) according to claim 72, wherein the upper frame (200) and/or the lower frame (300) comprise metal or plastic material that is hollow or solid.

86. The foldable infant carry cot (100) according to claim 72, wherein the flexible sidewall (400) is removable from the upper frame (200) and the lower frame (300).

87. The foldable infant carry cot (100) according to claim 72, the flexible sidewall (400) comprising mating fastening elements that connect to hold a top of the flexible sidewall (400) to the upper frame (200) and the bottom of a flexible sidewall (400) to the lower frame (300).

88. The foldable infant carry cot (100) according to claim 72, the carry cot (100) further comprising:

a retractable canopy (800);

wherein, the retractable canopy (800) can be pushed back/down to expose an interior

~~of the carry cot (100) for loading an occupant and pulled forward/up to cover an area above the occupant's head position.~~

~~89. The foldable infant carry cot (100) according to claim 72, the carry cot (100) further comprising:~~

~~mounting elements (900) on a baseboard (350) or the lower frame (300) that allows the carry cot (100) to be removably attached to a stroller.~~