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), wherein an edge of the at least one cushion (600) is attached to an upper portion of the side wall of the carry cot (100) in a manner so to be flippable downward or attached to a lower portion of the side wall of the carry cot (100) in a manner so as to be flippable upward.

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 Styrofoam, expandable polypropylene (EPP), expandable polystyrene (EPS), expandable polyolefin (EPO), polyethylene (PE) board with foam, or PE board with rubber.

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.

5. The foldable infant carry cot (100) according to claim 1, wherein the edge of 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.

6. 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) , wherein an edge of the at least one cushion (600) is attached to an upper portion of the side wall of the carry cot (100) in a manner so as to be flippable downward or attached to a lower portion of the side wall of the carry cot (100) in a manner so as to be flippable upward; and

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

7. The foldable infant carry cot (100) according to claim 6, 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).

8. The foldable infant carry cot (100) according to claim 7, 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).

9. The foldable infant carry cot (100) according to claim 8, wherein as the plurality of hinges (700) being folded and the carry cot (100) being collapsed, 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.

10. The foldable infant carry cot (100) according to claim 9, wherein as the plurality of hinges (700) being opened and the carry cot (100) being unfolded, 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.

11. The foldable infant carry cot (100) according to claim 7, wherein two of the plurality of hinges (700) are disposed on either side of the carry cot (100) nearest an occupant's head position.

12. The foldable infant carry cot (100) according to claim 7, 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.

13. The foldable infant carry cot (100) according to claim 7, the plurality of hinges (700) further comprising:

locking elements allowing the plurality of 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.

14. The foldable infant carry cot (100) according to claim 13, 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 plurality of hinges (700) become locked in an open position.

15. The foldable infant carry cot (100) according to claim 7, the lower frame (300) further comprising a baseboard (350) that provides a floor to the carry cot (100).

16. The foldable infant carry cot (100) according to claim 7, 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.

17. The foldable infant carry cot (100) according to claim 7, 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).

18. The foldable infant carry cot (100) according to claim 6, 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.