CLAIMS

~~What is claimed is:~~

1. ~~1.~~ A child carrier configured to be removably coupled to a child carriage for pushing the child carrier, the child carrier comprising:

a frame or body defining an opening that is configured to support a child therein;

a handle coupled to the frame or body, the handle configured to transition between an extended position and a retracted position relative to the frame or body, and configured to rotate relative to the frame or body between a plurality of rotational positions;

a handle rotation lock having a rotation latch that is configured to move along an axis of the handle between an unlocked position and a locked position to selectively lock the handle in each of the rotational positions.

2. The child carrier of claim 1, comprising a handle rotation stop that is configured to move between (1) a blocking position that prevents the handle from rotating from one of the rotational positions to another, regardless of a position of the handle rotation lock, and (2) a released position in which the handle is permitted to rotate from one of the rotational positions to another while the handle rotation lock is in the unlocked position.

3. The child carrier of claim 2, wherein:

the handle has a first side bar, a second side bar, and a grab bar that extends between the first and second side bars; and

the child carrier comprises first and second hubs that pivotably couple the first and second side bars, respectively, to first and second sides of the seat frame or body.

4. The child carrier of ~~any one of claims~~claim 2 ~~and 3~~, wherein the handle rotation stop blocks the handle rotation lock from moving to the unlocked position while the handle rotation stop is in the blocking position.

5. The child carrier of ~~any one of claims~~claim 2 ~~to 4~~, wherein movement of the handle

from the extended position towards the retracted position causes the handle rotation stop to move to the released position.

6. The child carrier of ~~any one of claims~~claim 2~~ to 4~~, wherein:

the handle rotation lock comprises a locking plate;

the rotation latch engages the locking plate to lock the handle in each of the plurality of rotational positions; and

the rotation latch disengages from the locking plate to permit the handle to rotate relative to the frame or body.

7. The child carrier of claim 6, wherein the locking plate defines a plurality of grooves or projections, and the rotation latch defines at least one projection or groove that is configured to selectively engage the grooves or projections to selectively lock the handle in each of the different rotational positions.

8. The child carrier of ~~any of claims~~claim 2~~ to 7~~, wherein the rotation latch is rotationally fixed to the handle such that rotation of the handle causes the rotation latch to rotate with the handle relative to the locking plate.

9. The child carrier of ~~any of claims~~claim 2~~ to 8~~, wherein the handle is configured to rotate relative to the frame or body about a handle pivot, and the handle rotation stop is configured to rotate about the pivot between the blocking and released positions.

10. The child carrier of claim 9, wherein the rotation latch defines a slot that receives the pivot such that the pivot translates within the slot as the rotation latch transitions between the locked position and the unlocked position.

11. The child carrier of ~~an of claims~~claim 2~~ to 10~~, wherein the handle rotation stop has a first engagement surface that is configured to engage the handle rotation lock while in the blocking position and a second engagement surface that is configured to be engaged by the handle while the handle is in the retracted position so as to move the handle rotation stop to the released position.

12. The child carrier of ~~any of claims~~claim 2~~ to 11~~, wherein the handle rotation stop is spring biased towards the blocking position.

13. The child carrier of ~~any of claims~~claim 2~~ to 12~~, comprising:

a handle extension lock that is configured to move between a locked position and an unlocked position to selectively lock the handle in the retracted and extended positions; and

a handle extension stop that is configured to move between 1) a blocking position that prevents the handle from moving from the retracted position to the extended position, regardless of a position of the handle extension lock, and 2) a released position in which the handle is permitted to move from the retracted position to the extended position while the handle extension lock is in the unlocked position of the handle extension lock.

14. The child carrier of claim 13, wherein the handle extension stop is configured to rotate about a rotation axis between the released position of the handle extension stop and the blocking position of the handle extension stop.

15. The child carrier of claim 14, wherein the rotation axis is disposed within a handle hub that rotatably couples the handle to one side of the frame or body.

16. The child carrier of ~~any one of claims~~claim 13~~ to 15~~, wherein:

the handle comprises an outer portion, and an inner portion that telescopes within the outer portion; and

the handle extension stop comprises a protrusion that extends through an opening in each of the outer portion and the inner portion of the handle while the handle extension stop is in the blocking position of the handle extension stop.

17. The child carrier of ~~any one of claims~~claim 13~~ to 16~~, wherein the handle extension stop is moved between the blocking and released positions of the handle extension stop by rotating the handle.

18. The child carrier of claim 16, wherein:

the child carrier comprises a handle hub that rotatably couples the handle to one side of the frame or body;

the handle extension stop has a first side that defines the protrusion, and a second side opposite the first side; and

the handle extension stop is configured such that, as the handle is rotated, the second side of the handle extension stop rides along an inner surface of the handle hub until the second side is aligned with an opening in the inner surface that receives the handle extension stop to allow the handle extension stop to move to the released position of the handle extension stop.

19. A child carrier configured to be removably coupled to a child carriage for pushing the child carrier, the child carrier comprising:

a frame or body defining an opening that is configured to support a child therein;

a handle coupled to the frame or body by a handle hub such that the handle is configured to rotate relative to the frame or body between a plurality of rotational positions, and the handle being configured to transition between an extended position and a retracted position relative to the frame or body;

a handle extension lock that is configured to move between a locked position and an unlocked position to selectively lock the handle in the retracted and extended positions; and

a handle extension stop that is disposed within the handle hub and is configured to move between 1) a blocking position that prevents the handle from moving from the retracted position to the extended position, regardless of a position of the handle extension lock, and 2) a released position in which the handle is permitted to move from the retracted position to the extended position while the handle extension lock is in the unlocked position.

20. The child carrier of claim 19, wherein the handle extension stop is configured to be in the released position when the handle is in a first rotational position for pushing the child carrier on the child carriage and in the blocking position when the handle is in a

second rotational position for carrying the child carrier.

21. The child carrier of ~~any one of claims~~claim 19~~ and 20~~, wherein the handle extension stop is configured to rotate about a rotation axis between the released position and the blocking position.

22. The child carrier of claim 21, wherein the rotation axis is disposed within the handle hub.

23. The child carrier of ~~any one of claims~~claim 19~~ to 22~~, wherein:

the handle comprises an outer portion, and an inner portion that telescopes within the outer portion; and

the handle extension stop comprises a protrusion that extends through an opening in each of the outer portion and the inner portion of the handle while the handle extension stop is in the blocking position.

24. The child carrier of ~~any one of claims~~claim 19~~ to 23~~, wherein the handle extension stop is moved between the blocking and released positions by rotating the handle.

25. The child carrier of ~~any one of claims~~claim 19~~ to 24~~, wherein:

the handle extension stop has a first side that defines a protrusion, and a second side opposite the first side; and

the handle extension stop is configured such that, as the handle is rotated, the second side of the handle extension stop rides along an inner surface of the handle hub until the second side is aligned with an opening in the inner surface that receives the handle extension stop to allow the handle extension stop to move to the released position.

26. The child carrier of ~~any one of claims~~claim 19~~ to 25~~, comprising:

a handle rotation lock configured to move between an unlocked position and a locked position to selectively lock the handle in each of the rotational positions; and

a handle rotation stop that is configured to move between (1) a blocking position

that prevents the handle from rotating from one of the rotational positions to another, regardless of a position of the handle rotation lock, and (2) a released position in which the handle is permitted to rotate from one of the rotational positions to another while the handle rotation lock is in the unlocked position of the handle rotation lock.

27. The child carrier of claim 26, wherein movement of the handle from the extended position towards the retracted position causes the handle rotation stop to move to the released position.

28. The child carrier of ~~any one of claims~~claim 26~~ and 27~~, wherein the handle rotation lock comprises a rotation latch that translates along an axis of the handle when the handle rotation lock moves between the unlocked and locked positions of the handle rotation lock.

29. The child carrier of ~~any one of claims~~claim 19~~ to 28~~, wherein the handle hub comprises a housing and the handle extension stop is disposed entirely within the housing.

~~30. A travel system, comprising:~~

~~a child carriage comprising:~~

~~a frame having an upper end, and a lower end; and~~

~~a plurality of wheels attached to the lower end; and~~

~~a child carrier configured to removably couple to the upper end, the child carrier comprising:~~

~~a frame or body defining an opening that is configured to support a child therein;~~

~~a handle coupled to the frame or body, the handle configured to transition between an extended position and a retracted position relative to the frame or body, and to rotate relative to the frame or body between a plurality of rotational positions;~~

a handle rotation lock configured to move between an unlocked position and a locked position to selectively lock the handle in each of the rotational positions; and

a handle rotation stop that is configured to move between (1) a blocking position that prevents the handle from rotating from one of the rotational positions to another, regardless of a position of the handle rotation lock, and (2) a released position in which the handle is permitted to rotate from one of the rotational positions to another while the handle rotation lock is in the unlocked position,

wherein the carriage is devoid of any push handle that extends above the child carrier and the handle of the child carrier is configured for pushing the child carriage when the child carrier is coupled to the child carriage.

31. The travel system of claim 30, wherein the handle rotation lock has a rotation latch that is configured to move along an axis of the handle between an unlocked position and a locked position to selectively lock the handle in each of the rotational positions.

32. The travel system of claim any one of claims 30 and 31, wherein the child carrier is configured such that movement of the handle from the extended position towards the retracted position causes the handle rotation stop to move to the released position.

33. The travel system of any one of claims 30 to 32, wherein the handle is configured to rotate relative to the frame or body about a handle pivot, and the handle rotation stop is configured to rotate about the pivot between the blocking and released positions.

34. The child carrier of claim 33, wherein the rotation latch defines a slot that receives the pivot such that the pivot translates within the slot as the rotation latch transitions between the locked position and the unlocked position.

35. The child carrier of any of claims 30 to 34, wherein the handle is coupled to the frame or body by a handle hub and the handle rotation stop is disposed within the handle hub.

~~36. A travel system, comprising:~~

~~a child carriage comprising:~~

~~a frame having an upper end, and a lower end; and~~

~~a plurality of wheels attached to the lower end;~~

~~a child carrier configured to removably couple to the upper end, the child carrier comprising:~~

~~a frame or body defining an opening that is configured to support a child therein;~~

~~a handle coupled to the frame or body, the handle configured to transition between an extended position and a retracted position relative to the frame or body, and configured to rotate relative to the frame or body between a plurality of rotational positions;~~

~~a handle extension lock that is configured to move between a locked position and an unlocked position to selectively lock the handle in the retracted and extended positions; and~~

~~a handle extension stop that is configured to move between 1) a blocking position that prevents the handle from moving from the retracted position to the extended position, regardless of a position of the handle extension lock, and 2) a released position in which the handle is permitted to move from the retracted position to the extended position while the handle extension lock is in the unlocked position,~~

~~wherein the carriage is devoid of any push handle that extends above the child carrier, and the handle of the child carrier is configured for pushing the child carriage when the child carrier is coupled to the child carriage.~~

~~37. The travel system of claim 36, wherein the handle is coupled to the frame or body by a handle hub and the handle extension stop is disposed within the handle hub.~~

~~38. The travel system of any one of claims 36 and 37, wherein the handle extension stop is configured to be in the released position when the handle is in a first rotational position for pushing the child carrier on the child carriage and in the blocking position~~

~~when the handle is in a second rotational position for carrying the child carrier.~~

~~39. The travel system of any one of claims 36 to 38, wherein the handle extension stop prevents extension of the handle while the handle is in the second rotational position, regardless of whether the handle extension lock is in the locked or unlocked position.~~

~~40. The travel system of any one of claims 36 to 39, wherein:~~

~~the child carrier comprises a handle hub that rotatably couples the handle to one side of the frame or body;~~

~~the handle extension stop has a first side that defines the protrusion, and a second side opposite the first side; and~~

~~the handle extension stop is configured such that, as the handle is rotated, the second side of the handle extension stop rides along an inner surface of the handle hub until the second side is aligned with an opening in the inner surface that receives the handle extension stop to allow the handle extension stop to move to the released position.~~