CLAIMS

1. A modular trolley comprising:

a chassis having a bottom side, a top side opposite to the top side, a center portion and a periphery surrounding the center portion;

a set of wheels mounted to the bottom side of the chassis for movably supporting the chassis on a surface;

a first connection member mounted to a first portion of the periphery;

a second connection member engagable to the first connection member of another modular trolley of same structure as the modular trolley, the second connection member being mounted to a second portion of the periphery

wherein the second connection member being engagable to the first connection member of another modular trolley of same structure as the modular trolley along a locking direction,

wherein the trolley comprising a first guiding member mounted to the chassis and adjacent to the first connection member and a second guiding member engagable to the first guiding member of the another modular trolley of same structure as the modular trolley along the locking direction, the second guiding member being mounted to the chassis and adjacent to the second connection member..

2. The modular trolley as recited in claim 1, wherein when a first one of such trolley and a second one of such trolley are brought together with the second portion of the first one of such trolley positioned adjacent to the first portion of the second one of such trolley, the second connection member of the first one of such trolley is engaged to the first connection member of the second one of such trolley to lock the first one of such trolley and the second one of such trolley to each other.

3. The modular trolley as recited in claim 1, wherein

the first guiding member includes a first sidewall extending upwardly from the first portion of the periphery and a ridge extending outwardly from the first sidewall;

the second guiding member includes a second sidewall extending upwardly from the second portion of the periphery and a slot formed on the second sidewall;

the first and second sidewalls are parallel to each other, and

the ridge and the slot are aligned along a direction perpendicular to the first and second sidewalls.

4. The modular trolley as recited in claim 3, wherein the ridge is in alignment with the first connection member along a direction perpendicular to the chassis.

5. The modular trolley as recited in claim 3, wherein the slot is in alignment with the second connection member along a direction perpendicular to the chassis.

6. The modular trolley as recited in claim 3, further comprising a strengthening frame mounted to the second sidewall and surrounding the slot.

7. The modular trolley as recited in claim 3, further comprising a partition wall positioned between the first sidewall and the second sidewall, wherein the partition wall divides the chassis into a main region and an auxiliary region.

8. The modular trolley as recited in claim 1, wherein the first connection member is a locking rod assembly comprising a base plate and a locking rod coupled to the base plate, and the second connection member is a clamping assembly comprising a base frame, a latch coupled to the base frame operable to engage with the locking rod, and an actuator configured to unlock the latch.

9. The modular trolley as recited in claim 1, further comprising:

a set of sidewalls extending upwardly from the periphery, the sidewalls form a recess surrounded therein;

a set of base blocks extending downwardly from the bottom side of the chassis, each base block being disposed between the chassis and one of the set of wheels,

wherein when a first one of such trolley is stacked onto a second one of such trolley, the set of base blocks and set of wheels of the first one of such trolley are received into the recess of the second one of such trolley.

10. The modular trolley as recited in claim 9, wherein the set of base blocks define an outer contour enveloping the base blocks, the recess define an inner contour shaped and dimensioned the same as the outer contour such that when the first one of such trolley is stacked onto the second one of such trolley, each base block of the first one of such trolley is in contact with two of the sidewalls of the second one of such trolley to prevent relative movement of the first and second one of such trolleys along a direction parallel to the chassis.

11. The modular trolley as recited in claim 1, wherein the chassis is rectangular shaped and the periphery includes a first side, a second side opposite to and parallel to the first side, a third side bridging the first and second sides at one end of the chassis, and a fourth side bridging the first and second sides at another end of the chassis and parallel to the third side, wherein the first portion is located at the first side to which the first connection member is mounted, and the second portion is located at the second side to which the second connection member is mounted.

12. The modular trolley as recited in claim 11, further comprising a third connection member mounted to the third side of the periphery, and a fourth connection member engagable to the third connection member of another modular trolley of same structure as the modular trolley, the forth connection member mounted to the fourth side of the periphery.

13. The trolley as recited in claim 12, wherein the third connection member is the same as the first connection member, and the fourth connection member is the same as the second connection member.

14. A trolley assembly comprising:

a first trolley and a second trolley each including:

a chassis having a top side, a bottom side opposite to the top side, a center portion and a periphery surrounding the center portion;

a set of wheels mounted at the bottom side of the chassis for movably supporting the chassis on a surface;

a first connection member mounted to a first portion of the periphery;

a second connection member engagable to the first connection member of the other trolley along a locking direction, the second connection member being mounted to a second portion of the periphery;

a first guiding member mounted to the chassis and adjacent to the first connection member, and

a second guiding member engagable to the first guiding member of the other trolley along the locking direction, the second guiding member being mounted to the chassis and adjacent to the second connection member,

wherein the first guiding member of the second trolley is engaged to the second guiding member of the first trolley,

wherein the second portion of the first trolley is positioned adjacent to the first portion of the second trolley, and

wherein the second connection member of the first trolley is engaged to the first connection member of the second trolley to lock the first and second trolley to each other.

15. The trolley assembly as recited in claim 14, further comprising an actuator coupled to one of the first and second connection members for unlocking the first and second connection members from each other.