WHAT IS CLAIMED IS:

1. A carrier, comprising:

a box part configured to be placed on a base,

a connecting rod pivotally connected to the box part via a connecting mechanism, wherein the connecting rod is movable between an engagement position and a stored position, and the connecting rod is configured to engage with a connecting member provided on the base when in the engagement position, thereby securing the box part to the base.

2. The carrier according to claim 1, wherein the connecting mechanism comprises a pivoting arm having a first end connected to the connecting rod and a second end, and wherein the connecting mechanism further comprises a pivoting arm fixing seat, and the second end of the pivoting arm is pivotally connected to the pivoting arm fixing seat.

3. The carrier according to claim 2, wherein a pivoting limiting member is provided between the second end of the pivoting arm and the pivoting arm fixing seat, the pivoting limiting member is configured to be non-rotatable relative to one of the second end of the pivoting arm and the pivoting arm fixing seat, but to be rotatable relative to the other of the second end of the pivoting arm and the pivoting arm fixing seat, and to be able to be kept in either an engaged rotation position or a stored rotation position, thereby keeping the connecting rod in the engagement position or the stored position.

4. The carrier according to claim 3, wherein the second end of the pivoting arm is provided with one of a limiting straight tooth and a limiting straight tooth groove cooperated with each other, and a side of the pivoting limiting member facing the pivoting arm is provided with the other of the limiting straight tooth and limiting straight tooth groove, such that the pivoting limiting member is non-rotatable relative to the second end of the pivoting arm, and/or

wherein the pivoting arm fixing seat is provided with one of a plurality of limiting inclined teeth and a plurality of limiting inclined tooth grooves cooperated with each other, and a side of the pivoting limiting member facing the pivoting arm fixing seat is provided with the other of the plurality of limiting inclined teeth and the plurality of limiting inclined tooth grooves, such that the pivoting limiting member is rotatable relative to the pivoting arm fixing seat and kept in different rotation positions.

5. The carrier according to any one of claims 1 to 4, wherein the box part is provided with a connecting rod locking member movable between a locking position and an unlocking position, the connecting rod locking member in the locking position is capable of locking the connecting rod in the stored position and the connecting rod locking member in the unlocking position is capable of unlocking the connecting rod.

6. The carrier according to claim 5, wherein the connecting rod is movably connected to the box part via the pivoting arm, the first end of the pivoting arm is connected to the connecting rod, the second end of the pivoting arm is pivotally connected to the box part, and the connecting rod locking member is capable of locking and unlocking the connecting rod via the pivoting arm.

7. The carrier according to claim 6, wherein the second end of the pivoting arm is provided with a pivoting part pivotally provided on the box part, the pivoting part is provided with a communication groove, and the connecting rod locking member is provided with a locking member protrusion insertable into the communication groove,

wherein the communication groove and the locking member protrusion are configured such that in the case that the connecting rod is in the stored position, when the connecting rod locking member moves to the locking position, the locking member protrusion inserts into the communication groove to lock the connecting rod in the stored position; and when the connecting rod locking member moves to the unlocking position, the locking member protrusion of the connecting rod locking member is disengaged from the communication groove to unlock the connecting rod.

8. The carrier according to claim 7, wherein the box part is provided with a pivoting arm fixing seat, and the pivoting part of the pivoting arm is pivotally received in the pivoting arm fixing seat,

wherein the pivoting arm fixing seat is provided with a fixing seat opening groove, such that the locking member protrusion of the connecting rod locking member is capable of being inserted into the communication groove through the fixing seat opening groove.

9. The carrier according to any one of claims 5 to 8, wherein the box part is further provided with a connecting rod operating member configured to be operated so as to move between an initial position and a driving position relative to the box part, and the connecting

rod operating member is capable of driving the connecting rod locking member from the locking position to the unlocking position during movement from the initial position to the driving position.

10. The carrier according to claim 9, wherein the connecting rod locking member is provided with a locking member driving column, and the connecting rod operating member is provided with an operating member driving groove through which the locking member driving column passes,

wherein the operating member driving groove is provided with a driving inclined face, the driving inclined face is configured such that during movement of the connecting rod operating member from the initial position to the driving position, the driving inclined face applies a force to the locking member driving column to drive the connecting rod locking member from the locking position to the unlocking position.

11. A base for placing a carrier, wherein the base is provided with a connecting member capable of being engaged with the connecting rod of the carrier according to any one of claims 1 to 10, such that the carrier is placed on the base.

12. The base according to claim 11, wherein

the base is provided with a connecting recess into which the connecting rod enters, the connecting member is movable between a blocking position and a non-blocking position, such that the connecting member prevents the connecting rod in the connecting recess from moving out of the connecting recess when in the blocking position, and the connecting member allows the connecting rod to enter or leave the connecting recess when in the non-blocking position.

13. The base according to claim 11 or 12, wherein

the base is provided with a connecting recess into which the connecting rod enters,

the connecting member is configured to be exposed in the connecting recess and has an opening portion allowing the connecting rod to enter therein to be loaded therein.

14. The base according to claim 13, wherein the base comprises an actuating portion provided at a center, the actuating portion of the base corresponds to an actuating portion at a center of an outer bottom of the carrier, and the actuating portion of the base and the actuating portion of the carrier are configured such that when the carrier is positioned on the

base for connection, a trigger mechanism in the actuating portion of the carrier is pressed and triggered by the actuating portion of the base, such that the connecting rod pivots out and moves along an inclined surface of the corresponding connecting recess to be engaged with the corresponding connecting member via the opening portion.

15. A carrier vehicle installed with the base according to any one of claims 11 to 14.