CLAIMS

What is claimed is:

Claim 1: A folding and man-riding structure of a foldable cart steering system, comprising a foldable frame, wherein the foldable frame is a converging-type frame, steering wheels are connected to a bottom of the foldable frame, the steering wheels are connected to a steering structure by means of wheel steering swing arms, the steering structure is foldable, a steering rod assembly is further connected to the steering structure, and the steering rod assembly is configured to control movement of the steering structure.

Claim 2: The folding and man-riding structure of a foldable cart steering system according to claim 1, wherein a connection device is connected to one side of the foldable frame, the connection device comprises a frame support base, the steering wheels are connected to the frame support base, and an end portion of the steering rod assembly is connected to the frame support base.

Claim 3: The folding and man-riding structure of a foldable cart steering system according to claim 1, wherein the steering structure comprises a steering guide rod and steering arms, a plurality of the steering arms are arranged, the plurality of the steering arms are rotatably connected end to end in sequence, the steering arms located at two ends are rotatably connected to corresponding wheel steering swing arms, one end of the steering guide rod is movably connected to the steering arm located at a middle, and the other end of the steering guide rod is connected to the steering rod assembly.

Claim 4: The folding and man-riding structure of a foldable cart steering system according to claim 3, wherein a spacing between the two wheel steering swing arms at a same end is less than or greater than a spacing between horizontal rotation axes of the two steering wheels at a same end.

Claim 5: The folding and man-riding structure of a foldable cart steering system according to claim 1, wherein the steering rod assembly comprises steering rod

supporting arms and a steering rod, at least two steering rod supporting arms are arranged, the steering rod is located between the two steering rod supporting arms, a bottom of the steering rod is rotatably connected to the steering rod supporting arms, one end of each of the steering rod supporting arms adjacent to the steering rod is rotatably connected to the steering rod by means of a steering bearing, and one end of each of the steering rod supporting arms away from the steering rod is rotatably connected to the foldable frame.

Claim 6: The folding and man-riding structure of a foldable cart steering system according to claim 1, wherein a seat plate is connected to an upper end of the foldable frame by means of a seat plate supporting frame, and the seat plate is detachably disposed on the foldable frame.

Claim 7: The folding and man-riding structure of a foldable cart steering system according to claim 5, wherein the steering rod is connected to the steering bearing, a folding structure is further disposed on the steering rod, the folding structure is configured to bend the steering rod in a predetermined direction, a pull rod conversion sleeve is further slidably disposed on the steering rod, and the pull rod conversion sleeve is configured to limit folding of the steering rod.

Claim 8: The folding and man-riding structure of a foldable cart steering system according to claim 1, wherein a pedal is further rotatably connected to one end of the foldable frame provided with the steering rod assembly.

Claim 9: The folding and man-riding structure of a foldable cart steering system according to claim 3, wherein two ends of the steering arm located in the middle are horizontally rotatably arranged around a center.

Claim 10: The folding and man-riding structure of a foldable cart steering system according to claim 1, wherein a limiting structure configured to limit a maximum rotation angle of the steering wheel is disposed at one end of the foldable frame connected to the steering wheel.

Claim 11: The folding and man-riding structure of a foldable cart steering system according to claim 1, wherein the two steering wheels connected to the steering structure are respectively provided with wheel rotation limiting structures cooperating with each other, and the wheel rotation limiting structures are configured to limit rotation of the steering wheels after the foldable frame is folded.

Claim 12: The folding and man-riding structure of a foldable cart steering system according to claim 11, wherein the wheel rotation limiting structure comprises a pin sleeve and a pin, the pin sleeve is disposed on one of the steering wheels, the pin is disposed on the other steering wheel, and the pin sleeve is opposite to the pin.

Claim 13: The folding and man-riding structure of a foldable cart steering system according to claim 12, wherein one end of the pin sleeve is flared.

Claim 14: The folding and man-riding structure of a foldable cart steering system according to claim 3, wherein the plurality of the steering arms rotate vertically relative to each other.