CLAIMS

WHAT IS CLAIMED IS:

1. A sliding structure matched between a standard section and a jacking sleeve frame of a tower crane comprising a standard section (1) and a jacking sleeve frame (2); the standard section (1) is of a space truss structure composed of four first main limbs (10) and supporting rod members; flange plates (11) are fixedly arranged on an upper end face and a lower end face of each of the first main limbs (10), the flange plate (11) comprises an end right-angle sliding block (12), and the end right-angle sliding block (12) is arranged on the outside of the cross section of the first main limb (10); the four end right-angle sliding blocks (12) on the same plane form a rectangular plane; an intermediate right-angle sliding block (13) is fixedly arranged between the upper end face and the lower end face of each of the first main limbs (10); the four intermediate right-angle sliding blocks (13) on the same plane form a rectangular plane, the four intermediate right-angle sliding blocks (13) form a group, and at least one group is arranged between the upper end faces and the lower end faces of the first main limbs (10); the projection of the rectangular plane formed by the end right-angle sliding blocks (12) coincides with the projection of the rectangular plane formed by the intermediate right-angle sliding blocks (13); the jacking sleeve frame (2) is of a space truss structure composed of four second main limbs (20) and supporting rods; sliding ways (21) are fixedly arranged on inner sides of lower portions of the second main limbs (20); and the jacking sleeve frame (2) is sleeved outside the standard section (1), and the jacking sleeve frame (2) matches the end right-angle sliding blocks (12) and the intermediate right-angle sliding blocks (13) on the standard section (1) by means of the sliding ways (21) to slide up and down and each of the upper end face and the lower end face of the sliding way (21) has a chamfer angle (22).

2. The sliding structure matched between the standard section and the jacking sleeve frame of the tower crane according to claim 1, wherein the first main limbs (10) are made from round steel.