for guiding a fishing line fed from the reel 6 attached to the reel seat 9. More specifically, the base rod 3 is provided with the fishing line guide 10A, the middle rod 5 is provided with the fishing line guide 10B, and the tip rod 7 is provided with the fishing line guide 10C. The top guide 10D is provided on a distal end of the tip rod 7, but this is not described in detail.

[0029]

Next, the reel seat 9 comprising a reel seat main body 12 and a nut 8 will be described with reference to Fig. 2. The reel seat 9 comprises the reel seat main body 12 having, along its axial direction, a reel leg placing surface (reel leg placing portion) 12a on which a reel leg 6a of the fishing reel 6 is placed. The reel seat main body 12 is provided in a cylindrical shape as a whole. Further, the reel seat main body 12 is provided by an appropriate material such as a synthetic resin (for example, polyamide synthetic fiber, ABS resin, or the like) or metal (for example, SUS, aluminum, titanium, brass, or the like). The reel seat main body 12 can be configured with, for example, a length of 60 to 160 mm, but is not limited thereto.

[0030]

In addition, the reel seat main body 12 comprises a grip portion 12b that slightly bulges opposite to the reel leg placing surface 12a, and that has a curved outer surface which is made easy to grip by supporting the thenar or the vicinity thereof when gripped with a gripping hand.

[0031]

The reel leg placing surface 12a of the reel seat main body 12 can be formed flat or substantially flat with a larger curvature than other circumferential portions (for example, the grip portion 12b) adjacent to the reel leg placing surface 12a of the reel seat main body 12, and is formed to extend in the axial direction of the reel seat main

tubular portion with an inner tubular portion as well as of improving decorativeness significantly. More specifically, in the conventional method, in order to fix the outer tubular portion and the inner tubular portion, it is necessary to provide a region to be fixed over a predetermined axial length for adhesion or screwing, and there has been a problem that a through-hole or the like for decoration cannot be provided substantially over the entire circumferential direction in the region (decorativeness must be sacrificed). On the other hand, according to the nut of the embodiment of the present invention, since the through-hole 21 in the outer tubular portion 17 can be provided at the position where the through-hole overlaps or at least partially overlaps the protruding portion 20, the through-hole 21 for improving the decorativeness can be provided in a wider region than before, and the decorativeness can be greatly enhanced while reliably fixing the outer tubular portion and the inner tubular portion.

[0043]

In the nut 8 according to the embodiment of the present invention, two or more protruding portions and two or more recessed portions are provided (in the example of Fig. 5, two protruding portions 20 are provided for the outer tubular portion 17, and in the example of Fig. 6, two recessed portions 19 are provided for the inner tubular portion 16). Here, as illustrated in Fig. 5, these two protruding portions 20 are provided so as to be spaced apart by approximately 180 degrees in the circumferential direction, but are not limited to these positions, and may be spaced apart by an angle larger or smaller than this. In addition, in a case where three protruding portions 20 are provided, intervals between the adjacent protruding portions can be set to approximately 120 degrees when viewed in the circumferential direction, but the present invention is not limited thereto. The same can be applied to the recessed portion 19. The number and positions (circumferential position and axial position) at which the

protruding portion 20 and the recessed portion 19 are provided are variously considered, and are not intended to be limited to a specific aspect. As a result, the inner and outer tubular portions can be reliably locked.

[0044]

As described above, the nut 8 according to the embodiment of the present invention may be configured such that the protruding portion is provided for the inner tubular portion 16, and the recessed portion is provided for the outer tubular portion 17.

[0045]

In the nut 8 according to the embodiment of the present invention, the shape defined by the protruding portion 20 and the recessed portion 20 have a rectangular parallelepiped shape, for example. Note that, in the case of a rectangular parallelepiped shape, an end, an end surface, or a corner portion may be rounded or provided in an R shape due to actual processing constraints (for example, end milling constraints), and it is not necessarily mathematically strict. For example, even if the protruding portion 20 has a rectangular parallelepiped shape, the corner portion of the end surface on the side protruding in the radial direction of the nut 8 may be rounded, or the end on the exterior of the side surface in the radial direction of the nut 8 may be provided in an R shape. The upper surface and the side surface of the rectangular parallelepiped shape may be curved in a protruding shape or a recessed shape. In addition, the protruding portion 20 may not have a rectangular parallelepiped shape, but may have, for example, a trapezoidal shape or an inverted trapezoidal shape when viewed in the radial section of the nut 8, and the corner portion may be appropriately rounded or provided in an R shape. In addition, the shape may be a cube or the like, but various shapes and structures are conceivable, and the illustrated example is merely an example and is not intended to be limited to a specific aspect.

comprises a fishing rod reel seat 9 having the nut 8 according to any of the above described nuts; and a rod body 2. In this manner, it is possible to provide a fishing rod provided with the fishing rod reel seat having a nut capable of enabling smooth rotation while reliably fixing an outer tubular portion with an inner tubular portion as well as of improving decorativeness significantly.

[0053]

Further, as illustrated in Figs. 2, 3, and 4, the fishing rod reel seat 9 according to the embodiment of the present invention is the fishing rod reel seat 9 comprising: the reel seat main body 12 having the reel leg placing portion 12a on which the reel leg 6a is placed; the movable hood 22 guided to the outer surface of the reel seat main body 12 and configured to be movable along the axial direction of the reel seat main body 12; and the nut 8 provided on the outer surface of the reel seat main body 12 and configured to move the movable hood 22 along the axial direction, wherein the nut 8 comprises: the nut base portion 15 having the moving female screw portion 24 on an inner peripheral surface and locked to the movable hood 22 at an end, the female screw portion 24 being screwed with the male screw portion 18 of the reel seat main body 12; the inner tubular portion 16 having the protruding portion (not shown) or recessed portion 19, and fixed to an exterior of the nut base portion 15; and the outer tubular portion 17 having the recessed portion (not shown) or protruding portion 20 engaged with the protruding portion (not shown) or recessed portion 19, and fixed to an exterior of the inner tubular portion 16 by the recessed portion or protruding portion, the outer tubular portion 17 having an outer peripheral surface serving as at least a part of an outer peripheral surface of the nut, wherein the outer tubular portion has the through-hole 21 penetrating in an inward and outward direction, and is provided at a position where at least a part of the through-hole 21 and at least a part of the recessed portion (not shown) and

protruding portion 20 overlap when viewed in the axial direction of the outer tubular portion 17.

[0054]

According to the fishing rod reel seat of the embodiment of the present invention, it is possible to provide a fishing rod reel seat having the nut capable of enabling smooth rotation while reliably fixing an outer tubular portion with an inner tubular portion as well as of improving decorativeness significantly.

[0055]

Next, results of a test (torque test) for confirming the adhesive strength (fixing strength) between the outer tubular portion and the inner tubular portion when the nut according to the embodiment of the present invention is used will be described. In this test, a torque meter having a rod tube holding portion was used to fix a rod tube to the holding portion, and a torque was measured when a force was applied in a rotating direction to a nut screwed to a reel seat main body of a reel seat attached to the rod tube (using the torque meter), and it was confirmed that there was no problem in adhesive strength (fixing strength) in a wide range from 5kgf·cm to 100kgf·cm.

[0056]

As a result, it was found that the outer tubular portion and the inner tubular portion are not separated from each other and good adhesive strength (fixing strength) was maintained even when the nut comprising any of the outer tubular portions in Figs. 4 and 7 was used. As described above, it has been found that the nut according to the embodiment of the present invention can reliably fix the outer tubular portion and the inner tubular portion. As a result, according to the nut of the embodiment of the present invention, it is possible to enable smooth rotation while reliably fixing an outer tubular portion with an inner tubular portion as well as to improve decorativeness