CLAIMS

1. A rotating-operation type of writing tool in which a tip portion of the writing tool is caused to protrude from a front portion of a front axial cylinder by a rotating operation of a rear axial cylinder with respect to the front axial cylinder, comprising:

a front axial cylinder and a rear axial cylinder which are separable from each other;

a rear-axial-cylinder inner cylinder provided in the rear axial cylinder and fixed to a rear portion of the front axial cylinder, the rear-axial-cylinder inner cylinder having a slit in a longitudinal direction thereof;

a cam cylinder provided in the rear-axial-cylinder inner cylinder and fixed to the rear axial cylinder, the cam cylinder having a spiral cam groove;

a cam protrusion loosely fitted into the cam groove of the cam cylinder and the slit of the rear-axial-cylinder inner cylinder;

a slider provided in the cam cylinder, the slider being movable in the cam cylinder integrally with the cam protrusion; and

a writing body provided in the front axial cylinder, the writing body being biased rearward by a biasing member relative to the front axial cylinder;

wherein

the slider is also biased rearward via the writing body by the biasing member;

when the rear axial cylinder is rotated, the cam cylinder is rotated, thereby the cam protrusion moves forward by means of the cam groove and the slit, so that the slider moves forward to cause the writing body to move forward against a biasing force by the biasing member, ~~and~~

the cam cylinder and the rear axial cylinder are fixed via an adjustment mechanism of rotational positions, and ~~.~~

~~2. The rotating-operation type of writing tool according to claim 1, wherein~~

the adjustment mechanism of rotational positions includes:

a nut having a convex portion whose rotational position is adjustably fixed on the cam cylinder; and

a positioning portion provided on the rear axial cylinder, configured to be fitted on the convex portion of the nut.

23. A~~The~~ rotating-operation type of writing tool in which a tip portion of the writing tool is caused to protrude from a front portion of a front axial cylinder by a rotating operation of a rear axial cylinder with respect to the front axial cylinder, comprising:

a front axial cylinder and a rear axial cylinder which are separable from each other;

a rear-axial-cylinder inner cylinder provided in the rear axial cylinder and fixed to a rear portion of the front axial cylinder, the rear-axial-cylinder inner cylinder having a slit in a longitudinal direction thereof;

a cam cylinder provided in the rear-axial-cylinder inner cylinder and fixed to the rear axial cylinder, the cam cylinder having a spiral cam groove;

a cam protrusion loosely fitted into the cam groove of the cam cylinder and the slit of the rear-axial-cylinder inner cylinder;

a slider provided in the cam cylinder, the slider being movable in the cam cylinder integrally with the cam protrusion; and

a writing body provided in the front axial cylinder, the writing body being biased rearward by a biasing member relative to the front axial cylinder;

wherein

the slider is also biased rearward via the writing body by the biasing member;

when the rear axial cylinder is rotated, the cam cylinder is rotated, thereby the cam protrusion moves forward by means of the cam groove and the slit, so that the slider moves forward to cause the writing body to move forward against a biasing force by the biasing member,

the cam cylinder and the rear axial cylinder are fixed via an adjustment mechanism of rotational positions, and~~according to claim 1, wherein~~

the adjustment mechanism of rotational positions includes:

a nut having a concave portion whose rotational position is adjustably fixed on the cam cylinder; and

a positioning portion provided on the rear axial cylinder, configured to be fitted into the concave portion of the nut.

34. The rotating-operation type of writing tool according to claim 12 or 23, wherein

the adjustment mechanism of rotational positions has a male screw portion fixed on the cam cylinder, and

the rotational position of the nut is adjustably fixed on the male screw portion.

45. The rotating-operation type of writing tool according to any of claims 1 to 34, wherein

the rear portion of the front axial cylinder and the rear-axial-cylinder inner cylinder are threadedly engaged with each other.

56. The rotating-operation type of writing tool according to any of claims 1 to 45, wherein

the front axial cylinder and the rear axial cylinder have substantially triangle-pole shapes.