CLAIMS

1. A stationery tool comprising:

a body (10B) having

a holding end;

a stationery functional end opposite to the holding end; and

a holding recess (11B) defined in the holding end of the body (10B); and

a rubber holding device (20B) mounted in the holding recess (11B) of the body (10B) for holding a rubber (40) to adjust an extension length of the rubber (40) relative to the body (10B) and comprising

an opening defined in the rubber holding device (20B) at a position relative to the holding end of the body (10B);

a clamping segment slidably mounted in the holding recess (11B) of the body (10B) to adjust the extension length of the rubber (40) relative to the body (10B) and comprising multiple clamping protrusions (243B) for pressing against the rubber (40);

a guiding tube (23B) having

an elongated passage (230B) for holding the rubber (40) inside; and

at least one guiding groove (231B) defined longitudinally in a tube wall of the guiding tube (23B);

a pushing slider (24B) mounted slidably in the guiding tube (23B) along the at least one guiding groove (231B) to serve as the clamping segment of

the rubber holding device (20B), wherein the clamping protrusions (243B) are formed on the pushing slider (24B); and

a rotating knob (25B) mounted rotatably around the guiding tube (23B), ~~and~~ connected to and driving the pushing slider (24B) to move and having an engaging segment formed on an outer surface of the rotating knob (25B) and rotatably engaged the holding recess (11B).

2. The stationery tool as claimed in claim 1, wherein the guiding tube (23B) has two guiding grooves (231B) formed respectively in two opposite sides of the tube wall of the guiding tube (23B); and

the rubber holding device (20B) has two clamping protrusions (243B) formed respectively on two ends of the pushing slider (24B).

3. The stationery tool as claimed in claim 2, wherein

the pushing slider (24B) further has two thread ribs (242B) formed respectively on the ends of the pushing slider (24B) and respectively mounted in the guiding grooves (231B) in the guiding tube (23B); and

the rotating knob (25B) further has

an inner thread (250B) formed in an inner surface of the rotating knob (25B) and engaging the thread ribs (242B) on the pushing slider (24B); and

a head (251B) formed on an outer end of the rotating knob (25B) to enable the rotating knob (25B) to be rotated and to drive the pushing slider (24B) to move along the guiding tube (23B) so as to adjust the extension length of the rubber (40).

4. The stationery tool as claimed in claim 3, wherein the guiding tube (23B) has a guiding segment extending axially and outwardly from the guiding tube (23B) to make an end of the guiding segment have a distance from the clamping segment.

5. The stationery tool as claimed in claim 3, wherein

the pushing slider (24B) comprises

a pushing board (240B) mounted in the passage (230B) of the guiding tube (23B) and having two ends; and

two clamping wings (241B) formed respectively on the ends of the pushing board (240B) and mounted respectively in the guiding grooves (231B) in the guiding tube (23B), and each clamping wing (241B) having an inner side and an outer side;

the clamping protrusions (243B) are formed respectively on the inner sides of the clamping wings (241B) of the pushing slider (24B); and

the thread ribs (242B) are formed respectively on the outer sides of the clamping wings (241B) of the pushing slider (24B).

6. ~~The~~ A stationery tool ~~as claimed in one of claims 1 to 5, wherein~~ comprising:

a body (10B) having

a holding end;

a stationery functional end opposite to the holding end; and

a holding recess (11B) defined in the holding end of the body (10B); and

a rubber holding device (20B) mounted in the holding recess (11B) of the body (10B) for holding a rubber (40) to adjust an extension length of the rubber (40) relative to the body (10B) and comprising

an opening defined in the rubber holding device (20B) at a position relative to the holding end of the body (10B);

a clamping segment slidably mounted in the holding recess (11B) of the body (10B) to adjust the extension length of the rubber (40) relative to the body (10B) and comprising multiple clamping protrusions (243B) for pressing against the rubber (40);

a guiding tube (23B) having

an elongated passage (230B) for holding the rubber (40) inside; and

at least one guiding groove (231B) defined longitudinally in a tube wall of the guiding tube (23B);

a pushing slider (24B) mounted slidably in the guiding tube (23B) along the at least one guiding groove (231B) to serve as the clamping segment of the rubber holding device (20B), wherein the clamping protrusions (243B) are formed on the pushing slider (24B); and

a rotating knob (25B) mounted rotatably around the guiding tube (23B) connected to and driving the pushing slider (24B) to move, wherein

the rubber holding device (20B) further has an outer frame (21B) mounted around the guiding tube (23B) and having an inner end and an outer end;

the guiding tube (23B) is separately mounted in the outer frame (21B)

and has

an inner end connected to the inner end of the outer frame (21B); and

an outer end extending out of the outer end of the outer frame (21B); and

the rotating knob (25B) is mounted between the guiding tube (23B) and the outer frame (21B) and having an engaging segment formed on an outer surface of the rotating knob (25B) and rotatably engaged the outer frame (21B).

7. The stationery tool as claimed in claim 6, wherein

the outer frame (21B) has a stopping flange (22B) formed around the outer end of the outer frame (21B) and abutting with a mouth of the holding recess (11B);

the stopping flange (22B) has an inner surface and a positioning segment formed on the inner surface of the stopping flange (22B); and

the ~~rotating knob (25B) has an~~ engaging segment of the rotating knob (25B) ~~formed on an outer surface of the rotating knob (25B) and~~ is rotatably ~~engaging~~ engaged the positioning segment on the stopping flange (22B) of the outer frame (21B).

8. The stationery tool as claimed in claim 7, wherein

the positioning segment comprises at least one positioning flange (220B); and

the engaging segment comprises an annular recess (252B) mounted

around the at least one positioning flange (220B).

9. The stationery tool as claimed in one of claims 1 to 5, wherein

the holding recess (11B) has a bottom;

the guiding tube (23B) has an inner end connected to the bottom of the holding recess (11B); and

the rotating knob (25B) is mounted between the guiding tube (23B) and the ~~outer frame (21B)~~ body (10B).

10. The stationery tool as claimed in claim 9, wherein

the holding recess (11B) has an inner surface and a positioning segment formed on the inner surface of the holding recess (11B); and

the ~~rotating knob (25B) has an~~ engaging segment of the rotating knob (25B) ~~formed on an outer surface of the rotating knob (25B) and~~ is rotatably ~~engaging~~ engaged the positioning segment in the holding recess (11B).

11. The stationery tool as claimed in claim 10, wherein

the positioning segment comprises at least one positioning flange (220B); and

the engaging segment comprises an annular recess (252B) mounted around the at least one positioning flange (220B).

12. The stationery tool as claimed in claim 7, wherein

the holding recess (11B) in the body (10B) has an inner surface and a

first buckling segment (12B) formed on the inner surface of the holding recess (11B); and

the outer frame (21B) has a second buckling segment (211B) formed on the inner end of the outer frame (21B) and engaging the first buckling segment (12B).

13. The stationery tool as claimed in claim 12, wherein the outer frame (21B) has a resilient slot (210B) formed laterally in a middle portion of the outer frame (21B) to divide the outer frame (21B) into two half frames.