CLAIMS:

1. A writing tool comprising:

a writing unit (10) having

a tube (11); and

a nib (12) mounted at an end of the tube (11);

a capillary member (20) mounted in the tube (11) and contacting the nib (12);

a dispensing unit (30) mounted in the tube (11) and having

an inbound part (32) having at least one cutting portion (321), a first coupling portion (322), and an external passage (324), the at least one cutting portion (321) having at least one sharp cutting edge (3210) formed on a top thereof, the first coupling portion (322) surrounding the at least one cutting portion (321), the external passage (324) being defined between the at least one cutting portion (321) and the first coupling portion (322);

an outbound part (31) contacting the capillary member (20); and

a dispensing passage (33) communicating with the outbound part (31) and the external passage (324) of the inbound part (32); and

a replaceable ink cartridge (40) mounted in the tube (11) and communicating with the dispensing unit (30), the replaceable ink cartridge (40) having:

a second coupling portion (41) connected with the first coupling portion (322);

ink contained in the replaceable ink cartridge (40); and

a film (42) cut by the at least one cutting edge (3210) for output of the ink.

2. The writing tool as claimed in claim 1, wherein the at least one cutting edge (3210) comprises at least one first sharp end and at least one second sharp end, and a height difference (H) is defined between the at least one first sharp end and the at least one second sharp end.

3. The writing tool as claimed in claim 2, wherein the first coupling portion (322) comprises an abutting edge (3220) annularly formed at an outer periphery thereof and defines an assembly stroke being an axial distance between the abutting edge (3220) and an uppermost side of the first coupling portion (322), the assembly stroke being larger than the height difference of the at least one cutting portion (321).

4. The writing tool as claimed in claim 2, wherein the dispensing unit (30) comprises at least two said cutting portions (321) arranged annularly and spaced at intervals.

5. The writing tool as claimed in claim 2, wherein the at least one cutting edge (3210) is curved and inclined from the at least one first sharp end to the at least one second sharp end.

6. The writing tool as claimed in claim 4, wherein each of the cutting edges (3210) of the at least two cutting portions (321) is curved and inclined from the at least one first sharp end to the at least one second sharp end.

7. The writing tool as claimed in claim 1, wherein the dispensing passage (33) comprises an internal passage (323) surrounded by the at least one cutting portion (321) and communicating with the external passage (324) via at least one guiding gap (325).

8. The writing tool as claimed in claim 4, wherein the dispensing passage (33) comprises an internal passage (323) surrounded by the at least one cutting portion (321) and communicating with the external passage (324) via at least one guiding gap (325).

9. The writing tool as claimed in claim 1, wherein the first coupling portion (322) of the inbound part (32) comprises at least one sealing rib (3221), an outer diameter of the at least one sealing rib (3221) being not smaller than an inner diameter of the second coupling portion (41).

10. The writing tool as claimed in claim 1 further comprising a cap (50) sleeved onto the replaceable ink cartridge (40) for rotatably driving and enabling the replaceable ink cartridge (40) to be installed into the tube (11).

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

the cap (50) comprises a plurality of push lugs (54) formed annularly at a lowermost side thereof and spaced at intervals;

the second coupling portion (41) comprises a plurality of abutting ribs (410) formed annularly at an outer periphery of the replaceable ink cartridge (40) and spaced at intervals; and

the cap (50) rotatably drives and enables the replaceable ink cartridge (40) to be installed into the tube (11) in such a way that the push lugs (54) are pushed against the abutting ribs (410), respectively.

12. A dispensing unit (30) of a writing tool, the writing tool having a capillary member (20), a tube (11), and a replaceable ink cartridge (40), the dispensing unit (30) being mounted in the tube (11) and comprising:

an outbound part (31) contacting the capillary member (20);

an inbound part (32) having

at least one cutting portion (321) having at least one sharp cutting edge (3210) formed on a top thereof;

a first coupling portion (322) surrounded by the at least one cutting portion (321); and

an external passage (324) defined between the at least one cutting portion (321) and the first coupling portion (322); and

a dispensing passage (33) communicating with the outbound part (31)and the external passage (324) of the inbound part (32).

13. The dispensing unit (30) of the writing tool as claimed in claim 12, wherein the at least one cutting edge (3210) comprises at least one first sharp end and at least one second sharp end, and a height difference (H) is defined between the at least one first sharp end and the at least one second sharp end.

14. The dispensing unit (30) of the writing tool as claimed in claim 13, wherein the first coupling portion (322) comprises an abutting edge (3220) annularly formed at an outer periphery thereof and defines an assembly stroke being an axial distance between the abutting edge (3220) and an uppermost side of the first coupling portion (322), the assembly stroke being larger than the height difference of the at least one cutting portion (321).

15. The dispensing unit (30) of the writing tool as claimed in claim 13, wherein the dispensing unit (30) comprises at least two said cutting portions (321) arranged annularly and spaced at intervals.

16. The dispensing unit (30) of the writing tool as claimed in claim 13, wherein the at least one cutting edge (3210) is curved and inclined from the at least one first sharp end to the at least one second sharp end.

17. The dispensing unit (30) of the writing tool as claimed in claim 15, wherein each of the cutting edges (3210) of the at least two cutting portions (321) is curved and inclined from the at least one first sharp end to the at least one second sharp end.

18. The dispensing unit (30) of the writing tool as claimed in claim 12, wherein the dispensing passage (33) comprises an internal passage (323) surrounded by the at least one cutting portion (321), and the internal passage (323) communicates with the external passage (324) by at least one guiding gap (325).

19. The dispensing unit (30) of the writing tool as claimed in claim 15, wherein the dispensing passage (33) comprises an internal passage (323) surrounded by the at least two cutting portions (321), and the internal passage (323) communicates with the external passage (324) via at least two guiding gaps (325).