CLAIMS:

1. A toner cartridge detachably mountable to a receiving apparatus, the receiving apparatus including a toner receiving opening and a receiving apparatus side guide, said toner cartridge comprising:

(1) a container including, (1 - 1) an accommodating portion for accommodating toner, (1 - 2) a discharge opening for discharging the toner from said accommodating portion toward said receiving opening, and (1 - 3) a cartridge side guide configured to be guided by the receiving apparatus side guide; and

(2) an open/close member including, (2 - 1) a closing portion for closing said discharge opening, (2 - 2) an engaging portion engageable with the receiving apparatus side guide, wherein said open/close member being movable relative to said container between a closing position for causing said closing portion to close said discharge opening and an opening position for causing said closing portion to open said discharge opening,

wherein when said toner cartridge is dismounted from said receiving apparatus, said engaging portion receives, by engagement with the receiving apparatus side guide, a force for moving said open/close member relative to said container from the opening position to the closing position.

2. A toner cartridge according to Claim 1, wherein said toner cartridge is dismountable from the receiving apparatus at least with rotating operation, and wherein said engaging portion receives the force for closing said discharge opening with the rotating operation of said toner cartridge.

3. A toner cartridge according to Claim 1 or 2, wherein said engaging portion is disposed downstream of said cartridge side guide in a dismounting direction in which said toner cartridge is dismounted from the receiving apparatus.

4. A toner cartridge according to Claim 3, wherein said cartridge side guide extends along the dismounting direction.

5. A toner cartridge according to any one of Claims 1 - 4, wherein said cartridge side guide and said engaging portion are arranged along a dismounting direction in which said toner cartridge dismounted from the receiving apparatus.

6. A toner cartridge according to any one of Claims 1 - 5, wherein when said cartridge side guide and said engaging portion are projected onto a first imaginary line extending perpendicularly to a dismounting direction in which said toner cartridge is dismounted from the receiving apparatus, at least a part of a projection area of said engaging portion is between the opposite end portions of a projection area of said cartridge side guide, as seen in a longitudinal direction of said toner cartridge.

7. A toner cartridge according to any one of Claims 1 - 6, wherein said cartridge side guide includes at least one projection projecting in a longitudinal direction of said container.

8. A toner cartridge according to any one of Claims 1 - 7, wherein a free end of said engaging portion is disposed outside of a side wall of said container in the longitudinal direction of said container.

9. A toner cartridge according to any one of Claims 1 - 8, wherein said container is provided with an operating portion to be operated when said toner cartridge is dismounted from the receiving apparatus.

10. A toner cartridge according to Claim 9, wherein when said open/close member is in the closing position, said operating portion is disposed upstream of a downstream end portion of said closing portion and the downstream of said engaging portion, in a closing direction in which said open/close member moves to close said discharge opening.

11. A toner cartridge according to Claim 9 or 10, wherein said operating portion has a U-shape.

12. A toner cartridge according to any one of Claims 1 - 11, wherein said open/close member includes two such said engaging portions, and wherein said engaging portions are provided at opposite longitudinal end portions of said open/close member, respectively.

13. A toner cartridge according to any one of Claims 1 - 12, wherein said open/close member is provided with an extending portion extending over an entire area of said container in a longitudinal direction of said container, and wherein said engaging portion is provided at an end portion of said extending portion.

14. A toner cartridge according to Claim 13, wherein said open/close member is provided with at least two such engaging portions, and wherein said engaging portions are provided at opposite end portions of said extending portion, respectively.

15. A toner cartridge according to Claim 13 or 14, wherein at least a part of said extending portion is made of metal.

16. A toner cartridge according to any one of Claims 1 - 15, wherein said container is provided with at least two projections arranged along a longitudinal direction of said container, wherein when said open/close member closes said discharge opening, a downstream end portion of said closing portion in a moving direction of said open/close member to close said discharge opening approaches to said two projections.

17. A toner cartridge according to Claim 16, wherein the receiving apparatus includes a receiving apparatus side open/close member for opening and closing said receiving opening, a locking portion for locking the receiving apparatus side open/close member at a position for covering said receiving opening, and wherein said two projections are configured to unlock said locking portion.

18. A toner cartridge according to Claim 16 or 17, wherein as said two projections and said discharge opening are projected onto a second imaginary line extending in the longitudinal direction of said container, at least a part of a projection area of said discharge opening is between projection areas of said two projections.

19. A toner cartridge according to Claim 16 or 17, wherein as said two projections and said discharge opening are projected onto a second imaginary line extending in the longitudinal direction of said container, an entire projection area of said discharge opening is between projection areas of said two projections.

20. A toner cartridge according to any one of Claims 1 - 19, wherein said container is provided with a drive input gear for receiving a driving force from the receiving apparatus.

21. A toner cartridge according to Claim 20, wherein said container is provided with a feeding

member configured to feed the toner from said accommodating portion toward said discharge opening by the driving force received by said drive input gear.

22. A toner cartridge according to Claim 21, wherein said container is provided with a second gear engaging with said drive input gear to receive the driving force.

23. A toner cartridge according to Claim 22, wherein said second gear is provided coaxially with said feeding member.

24. A toner cartridge according to any one of Claims 1 - 23, wherein with movement of said open/close member from the closing position toward the opening position, said engaging portion approaches to an axis of said drive input gear.

25. A toner cartridge according to any one of Claims 1 - 24, wherein said container has a substantially cylindrical shape.

26. A toner cartridge according to any one of Claims 1 - 25, wherein said open/close member is rotatable around and along said container.

27. A toner cartridge according to any one of Claims 1 - 26, wherein said container guides said open/close member by covering an end portion of said closing portion.

28. A toner cartridge according to any one of Claims 1 - 27, wherein when said toner cartridge is mounted to the receiving apparatus, said engaging portion receives, by engagement with the receiving apparatus side guide, a force for moving said open/close member from the closing position toward the opening position.

29. A toner cartridge according to any one of Claims 1 - 28, wherein said engaging portion projects in a longitudinal direction of said container.

30. A toner cartridge according to any one of Claims 1 - 29, wherein said engaging portion is projected outwardly more than a side wall of said container in the longitudinal direction of said container.

31. A toner cartridge according to any one of Claims 1 - 30, wherein said discharge opening is provided at an outer circumferential surface of said container, and said open/close member is rotatable around the container along the outer circumferential surface of said container.

32. A toner cartridge according to any one of Claims 1 - 31, wherein said discharge opening is disposed at a longitudinal center of said container.

33. A toner supply mechanism comprising said receiving apparatus and a toner cartridge according to any of Claims 1 - 32.