CLAIMS

1. A toner cartridge comprising:

a housing extending in a first direction, the housing including:

a first toner-accommodating section having a first interior space elongated in the first direction;

a second toner-accommodating section having a second interior space elongated in the first direction and in communication with the first interior space, the second toner-accommodating section being positioned at one side of the first toner-accommodating section in a second direction; and

a first opening positioned at one side of the second toner-accommodating section in the first direction, the first opening allowing toner in the second interior space to be discharged therethrough;

an agitator rotatable about a first axis extending in the first direction, the agitator being configured to agitate the toner in the first interior space and to convey the toner from the first interior space to the second interior space;

an auger rotatable about a second axis extending in the first direction, the auger being configured to convey the toner from the second interior space to the first opening;

a first protrusion positioned at the one side of the second toner-accommodating section and at one side of the first opening in the first direction, the first protrusion extending in the first direction; and

a second protrusion positioned at an other side of the second toner-accommodating section in the first direction, the second protrusion extending in the first direction, and wherein

a width of the second protrusion in a third direction crossing the first direction and the second direction is different from a width of the first protrusion in the third direction.

2. A toner cartridge comprising:

a housing extending in a first direction, the housing including:

a first toner-accommodating section having a first interior space elongated in the first direction;

a second toner-accommodating section having a second interior space elongated in the first direction and in communication with the first interior space, the

second toner-accommodating section being positioned at one side of the first toner-accommodating section in a second direction; and

a first opening positioned at one side of the second toner-accommodating section in the first direction, the first opening allowing toner in the second interior space to be discharged therethrough;

an agitator rotatable about a first axis extending in the first direction, the agitator being configured to agitate the toner in the first interior space and to convey the toner from the first interior space to the second interior space;

an auger rotatable about a second axis extending in the first direction, the auger being configured to convey the toner from the second interior space to the first opening;

a first protrusion positioned at the one side of the second toner-accommodating section and at one side of the first opening in the first direction, the first protrusion extending in the first direction; and

a second protrusion positioned at an other side of the second toner-accommodating section in the first direction, the second protrusion extending in the first direction, wherein

the first protrusion and the second protrusion are configured to be positioned to a developing unit when the toner cartridge is mounted to the developing unit, and wherein

after the toner cartridge is mounted to the developing unit, the toner cartridge is mounted to the developing unit by pivotally moving the housing relative to the developing unit about the first protrusion and the second protrusion.

3. The toner cartridge according to claim 1 or 2, wherein the second direction is defined by connecting the first axis and the second axis, and wherein

the first protrusion protrudes in the second direction, and the second protrusion protrudes in the second direction.

4. The toner cartridge according to claim 2, wherein a width of the second protrusion in a third direction crossing the first direction and the second direction is different from a width of the first protrusion in the third direction.

5. The toner cartridge according to any one of claims 1 through 4, wherein the auger has one end portion and an other end portion separated from the one end portion in

the first direction, a part of a peripheral surface of the one end portion of the auger being exposed through the first opening.

6. The toner cartridge according to any one of claims 1 through 5, further comprising:

a shutter having a closed state closing the first opening and an open state opening the first opening, the shutter being positioned at one end portion of the second toner-accommodating section in the first direction, the shutter including the first protrusion.

7. The toner cartridge according to claim 6, wherein the first protrusion protrudes from the shutter in the first direction.

8. The toner cartridge according to claim 6 or claim 7, wherein the shutter is rotatable about a third axis extending in the first direction and rotatable from a closed position to an open position,

the shutter closes the first opening when the shutter is positioned at the closed position, and

the shutter opens the first opening when the shutter is positioned at the open position.

9. The toner cartridge according to claim 8, wherein the first protrusion is rotatable together with the shutter.

10. The toner cartridge according to claim 8 or claim 9, wherein the shutter has a second opening; and wherein

at least part of the second opening overlaps with at least part of the first opening when the shutter is at the open position.

11. The toner cartridge according to any one of claims 8 through 10, wherein the auger has one end portion and an other end portion separated from the one end portion in the first direction, a part of a peripheral surface of the one end portion of the auger in the first direction being exposed through the first opening , the one end portion of the auger

being exposed through the first opening when the shutter is positioned at the open position.

12. The toner cartridge according to any one of claims 1 through 11, wherein the second toner-accommodating section has a third opening positioned at the one end portion of the second toner-accommodating section, and wherein

the housing further includes a cover covering the one end portion of the second toner-accommodating section and covering the third opening.

13. The toner cartridge according to claim 12, wherein the second toner-accommodating section has a third opening positioned at the one end portion of the second toner-accommodating section, wherein

the auger has one end portion and an other end portion separated from the one end portion in the first direction, and wherein

the one end portion of the auger is exposed from the second toner-accommodating section through the third opening; and wherein

the cover covers at least part of the one end portion of the auger.

14. The toner cartridge according to claim 12 or claim 13, wherein the cover includes a plurality of gear teeth positioned at an outer surface of the cover, the plurality of gear teeth being juxtaposed along a rotating direction of the auger.

15. The toner cartridge according to any one of claims 1 through 14, wherein the auger has one end portion and an other end portion separated from the one end portion in the first direction, and

the toner cartridge further comprising an auger gear mounted to the other end portion of the auger, the auger gear being rotatable together with the auger, wherein

the second protrusion is positioned farther from the first opening than the auger gear is from the first opening.

16. The toner cartridge according to claim 15, further comprising a gear cover covering at least part of the auger gear, wherein

the second protrusion protrudes from the gear cover in the first direction.

17. The toner cartridge according to claim 15 or claim 16, wherein the second toner-accommodating section has a first through-hole positioned at an other end portion of the second toner-accommodating section in the first direction, the first through-hole penetrating the second toner-accommodating section in the first direction, wherein

the other end portion of the auger in the first direction is inserted in the first through hole, and wherein

the auger gear is positioned at an outer surface of the second toner-accommodating section.

18. The toner cartridge according to any one of claims 1 through 17, wherein the first opening is positioned closer to the one side in the first direction than the first toner-accommodating section to the one side in the first direction.

19. The toner cartridge according to any one of claims 1 through 18, wherein the agitator comprises an agitator shaft extending along the first axis, and a blade rotatable together with the agitator shaft, the blade being positioned in the first interior space; and

wherein the first opening is positioned closer to the one side in the first direction than the blade is to the one side in the first direction.

20. The toner cartridge according to claim 1, wherein the first protrusion and the second protrusion are configured to be positioned to a developing unit when the toner cartridge is mounted to the developing unit, and wherein

after the toner cartridge is mounted to the developing unit, the toner cartridge is mounted to the developing unit by pivotally moving the housing relative to the developing unit about the first protrusion and the second protrusion.