CLAIMS

1. An auxiliary agent unit enclosing an auxiliary agent that is water soluble, the auxiliary agent unit being configured to be attachable to a washing machine, the auxiliary agent unit comprising:

a first opening through which water is introduced into the auxiliary agent unit; and

a second opening through which the water is drained from the auxiliary agent unit, wherein at least one of the first opening and the second opening is provided with a mesh structure having a mesh shape.

2. The auxiliary agent unit according to Claim 1, wherein the second opening is provided at a location not facing the first opening.

3. The auxiliary agent unit according to any one of Claims 1 or 2, wherein in a direction of attaching the auxiliary agent unit to the washing machine, the first opening is provided on an upper surface of the auxiliary agent unit and the second opening is provided on a lower surface of the auxiliary agent unit, and the second opening is disposed at a location that partially overlaps a position where the first opening is projected downward.

4. The auxiliary agent unit according to any one of Claims 1 to 3, wherein the second opening has an area that is larger than an area of the first opening.

5. The auxiliary agent unit according to any one of Claims 1 to 4, further comprising:

a storage case; and

the auxiliary agent enclosed in the storage case, wherein the mesh structure is a component separate from the storage case.

6. The auxiliary agent unit according to any one of Claims 1 to 5, wherein

the auxiliary agent unit has a bottom surface that is provided with the second

opening and has an inclination, and the second opening is provided at a position that is a lower part in the inclination of the bottom surface.

7. The auxiliary agent unit according to Claim 1, wherein

the auxiliary agent unit further comprises, in a lower side surface, a third opening through which the water is introduced into the auxiliary agent unit and

a fourth opening through which the water is drained from the auxiliary agent unit.

8. The auxiliary agent unit according to Claim 7, wherein the third opening and the fourth opening are disposed at positions higher than a predetermined height from a bottom surface of the auxiliary agent unit.

9. The auxiliary agent unit according to any one of Claims 7 and 8, further comprising:

a storage case; and

the auxiliary agent enclosed in the storage case, wherein the storage case is provided with a rib in an inside of the storage case, the rib being provided to partition the inside of the storage case.

10. A washing machine comprising:

the auxiliary agent unit according to any one of Claims 1 to 9;

a detergent case provided with an auxiliary agent unit housing that detachably houses the auxiliary agent unit; and

a water feeder that feeds water to the auxiliary agent unit from an upper side.

11. A washing machine comprising:

an auxiliary agent unit that encloses an auxiliary agent;

a detergent case provided with an auxiliary agent unit housing that detachably houses the auxiliary agent unit; and

a water feeder that feeds water to the detergent case, wherein

the water feeder includes a water passage that allows the water fed from a water feed valve to flow, and at least one nozzle that pours the water in the water passage into the auxiliary agent unit, and

the at least one nozzle is provided with an opening that has a width narrower than a width of the water passage.

12. The auxiliary agent unit according to any one of Claims 1 to 9, wherein the auxiliary agent has a granular shape.

13. The washing machine according to any one of Claims 10 or 11, wherein the auxiliary agent has a granular shape.

14. The auxiliary agent unit according to Claim 12, wherein the at least one nozzle comprises a plurality of nozzles,

the plurality of nozzles are provided.

15. The washing machine according to any one of Claims 10, 11, or 13, wherein the at least one nozzle comprises a plurality of nozzles,

the plurality of nozzles are provided.

16. The auxiliary agent unit according to Claim 12, wherein the at least one nozzle includes a first nozzle and a second nozzle having a smaller diameter than the first nozzle.

17. The washing machine according to any one of Claims 10, 11, or 13, wherein the at least one nozzle includes a first nozzle and a second nozzle having a smaller diameter than the first nozzle.

18. A washing machine comprising:

an auxiliary agent unit that encloses an auxiliary agent;

a detergent case provided with an auxiliary agent unit housing that detachably houses the auxiliary agent unit; and

a water feeder that feeds water to the detergent case, wherein

the water feeder includes a nozzle that pours water into the auxiliary agent unit,

the auxiliary agent unit has, in an upper surface, a mesh structure having a mesh shape, and

the auxiliary agent unit is housed in the auxiliary agent unit housing, the nozzle and the mesh structure being disposed close to each other.

19. The washing machine according to Claim 18, wherein

the detergent case is provided with a dispenser having a detergent poured and a dispenser having a softener poured,

the water feeder includes a water passage that allows the water to pass, the water being fed to the auxiliary agent unit and to the dispenser having the softener poured, and the water passage is provided with the nozzle and a softener nozzle that pours water into the dispenser having the softener poured, and

the water passage communicates with a lower part of the water feeder by the nozzle and the softener nozzle.

20. The washing machine according to Claim 19, wherein the auxiliary agent unit housing is disposed on a rear side of the dispenser having the softener poured.

21. The washing machine according to any one of Claims 10, 11, 13, or 17 to 20, wherein the washing machine prompts a user to replace the auxiliary agent unit based on a number of times of performing a washing operation.

22. The washing machine according to any one of Claims 10, 11, 13, or 17 to 21, wherein the washing machine notifies the user of a remaining usable number of times of the auxiliary agent unit based on the number of times of performing the washing operation.