What is claimed is

1. A urinal apparatus comprising:

a water supplying device configured to supply water to a bowl section of a urinal;

a water sprinkling device including a sprinkling hole configured to sprinkle water to a space inside the bowl section; and

a human body sensing device configured to sense use of the urinal,

the water sprinkling device not sprinkling the water from the sprinkling hole when the human body sensing device has transitioned from a human body non-sensing state to a human body sensing state.

2. The apparatus according to claim 1, wherein the water sprinkling device sprinkles the water to the space after the human body sensing device transitions from the human body sensing state to the human body non-sensing state and the water supplying device supplies the water to the bowl section.

3. The apparatus according to claim 1, wherein the water sprinkling device sprinkles the water from the sprinkling hole at a fixed cycle.

4. The apparatus according to claim 1, further comprising:

a sterilizing water producing device provided on upstream side of the water sprinkling device and configured to produce sterilizing water,

wherein the water sprinkling device sprinkles droplets of the sterilizing water produced by the sterilizing water producing device to the space inside the bowl section.

5. The apparatus according to claim 1, wherein

the water supplying device includes a hole configured to sprinkle water to the bowl section, and

amount of water sprinkled to the bowl section in one operation by the water supplying device is larger than amount of water sprinkled to the space in one operation by the water sprinkling device.

6. The apparatus according to claim 5, wherein

the apparatus can perform a facility protecting flush operation for supplying water to the bowl section at a fixed cycle, and

amount of the water supplied to the bowl section in one operation of the facility protecting flush operation is larger than the amount of water sprinkled to the bowl section in one operation by the water supplying device or the amount of water sprinkled to the space in one operation by the water sprinkling device.

7. The apparatus according to claim 4, wherein the sterilizing water producing device is actuated when the water sprinkling device is actuated, and deactuated when the water sprinkling device is deactuated.

8. The apparatus according to claim 4, wherein the sterilizing water remaining after being produced by the sterilizing water producing device is drained at fixed intervals.

9. The apparatus according to claim 7 or 8, wherein

amount of water supplied to the bowl section in one operation by the water supplying device is larger than amount of water sprinkled to the space in one operation by the water sprinkling device, and

the water supplied by the water supplying device is fresh water excluding the sterilizing water.

10. The apparatus according to claim 7 or 8, further comprising:

a flow channel communicating the sterilizing water

producing device with the water sprinkling device,

wherein sterilizing water in the flow channel is drained a prescribed time after the water sprinkling device is deactuated.

11. The apparatus according to claim 7 or 8, further comprising:

a flow channel communicating the sterilizing water producing device with the water sprinkling device,

wherein sterilizing water in the flow channel is drained from a drain hole different from the sprinkling hole after the water sprinkling device is actuated.

12. The apparatus according to claim 4, wherein the sprinkling operation of the water sprinkling device is prohibited when it is determined that the sterilizing water producing device is faulty.

13. The apparatus according to claim 12, wherein

the sterilizing water producing device includes an electrolytic bath and an electrode provided inside the electrolytic bath, and

it is determined that the sterilizing water producing device is faulty when voltage applied to the electrode is less than or equal to a prescribed value.

14. The apparatus according to claim 12, wherein

the sterilizing water producing device includes an electrolytic bath and an electrode provided inside the electrolytic bath, and

it is determined that the sterilizing water producing device is faulty when current flowing in the electrode is less than or equal to a prescribed value.

15. The apparatus according to claim 12, wherein

the sterilizing water producing device includes an electrolytic bath and an electrode provided inside the

electrolytic bath, and

it is determined that the sterilizing water producing device is faulty when energization time of the electrode is more than or equal to a prescribed value.

16. The apparatus according to claim 15, wherein voltage applied to the electrode is increased when the energization time is less than the prescribed value and reaches another prescribed value less than and different from the prescribed value.

17. The apparatus according to claim 12, wherein

the sterilizing water producing device includes an electrolytic bath, and

it is determined that the sterilizing water producing device is faulty when integrated amount of water flowing in the electrolytic bath is more than or equal to a prescribed value.

18. The apparatus according to claim 17, wherein

the sterilizing water producing device further includes an electrode provided inside the electrolytic bath, and

voltage applied to the electrode is increased when the integrated amount of water is less than the prescribed value and reaches another prescribed value less than and different from the prescribed value.

19. The apparatus according to claim 12, wherein

the sterilizing water producing device includes an electrolytic bath, and

it is determined that the sterilizing water producing device is faulty when flow rate of water flowing in the electrolytic bath is less than or equal to a prescribed value.

20. A urinal unit comprising:

a urinal; and

the urinal apparatus according to claim 1.

Claims

1. A urinal apparatus comprising:
a flush water supplying device configured to supply water to a bowl surface and a bowl section of a urinal and to remove urine adhered to the urinal;
a flush water sprinkling device including a sprinkling hole configured to sprinkle water to a space inside the bowl section; and
a human body sensing device configured to sense use of the urinal,
wherein, when the human body sensing device transitions from a human body non-sensing state to a human body sensing state, the flush water sprinkling device does not sprinkle the water from the sprinkling hole.

2. The apparatus according to claim 1, wherein the water sprinkling device sprinkles the water to the space after the human body sensing device transitions from the human body sensing state to the human body non-sensing state and the water supplying device supplies the water to the bowl section.

3. The apparatus according to claim 1, wherein the water sprinkling device sprinkles the water from the sprinkling hole at a fixed cycle.

4. The apparatus according to claim 1, further comprising:
a sterilizing water producing device provided on upstream side of the water sprinkling device and configured to produce sterilizing water,
wherein the water sprinkling device sprinkles droplets of the sterilizing water produced by the sterilizing water producing device to the space inside the bowl section.

5. The apparatus according to claim 1, wherein
the water supplying device includes a hole configured to sprinkle water to the bowl section, and
amount of water sprinkled to the bowl section in one operation by the water supplying device is larger than amount of water sprinkled to the space in one operation by the water sprinkling device.

6. The apparatus according to claim 5, wherein
the apparatus can perform a facility protecting flush operation for supplying water to the bowl section at a fixed cycle, and
amount of the water supplied to the bowl section in one operation of the facility protecting flush operation is larger than the amount of water sprinkled to the bowl section in one operation by the water supplying device or the amount of water sprinkled to the space in one operation by the water sprinkling device.

7. The apparatus according to claim 4, wherein the sterilizing water producing device is actuated when the water sprinkling device is actuated, and deactuated when the water sprinkling device is deactuated.

8. The apparatus according to claim 4, wherein the sterilizing water remaining after being produced by the sterilizing water producing device is drained at fixed intervals.

9. The apparatus according to claim 7 or 8, wherein
amount of water supplied to the bowl section in one operation by the water supplying device is larger than amount of water sprinkled to the space in one operation by the water sprinkling device, and
the water supplied by the water supplying device is fresh water excluding the sterilizing water.

10. The apparatus according to claim 7 or 8, further comprising:
a flow channel communicating the sterilizing water producing device with the water sprinkling device,
wherein sterilizing water in the flow channel is drained a prescribed time after the water sprinkling device is deactuated.

11. The apparatus according to claim 7 or 8, further comprising:
a flow channel communicating the sterilizing water producing device with the water sprinkling device,
wherein sterilizing water in the flow channel is drained from a drain hole different from the sprinkling hole after the water sprinkling device is actuated.

12. The apparatus according to claim 4, wherein the sprinkling operation of the water sprinkling device is prohibited when it is determined that the sterilizing water producing device is faulty.

13. The apparatus according to claim 12, wherein
the sterilizing water producing device includes an electrolytic bath and an electrode provided inside the electrolytic bath, and
it is determined that the sterilizing water producing device is faulty when voltage applied to the electrode is less than or equal to a prescribed value.

14. The apparatus according to claim 12, wherein
the sterilizing water producing device includes an electrolytic bath and an electrode provided inside the electrolytic bath, and
it is determined that the sterilizing water producing device is faulty when current flowing in the electrode is less than or equal to a prescribed value.

15. The apparatus according to claim 12, wherein
the sterilizing water producing device includes an electrolytic bath and an electrode provided inside the electrolytic bath, and
it is determined that the sterilizing water producing device is faulty when energization time of the electrode is more than or equal to a prescribed value.

16. The apparatus according to claim 15, wherein voltage applied to the electrode is increased when the energization time is less than the prescribed value and reaches another prescribed value less than and different from the prescribed value.

17. The apparatus according to claim 12, wherein
the sterilizing water producing device includes an electrolytic bath, and
it is determined that the sterilizing water producing device is faulty when integrated amount of water flowing in the electrolytic bath is more than or equal to a prescribed value.

18. The apparatus according to claim 17, wherein
the sterilizing water producing device further includes an electrode provided inside the electrolytic bath, and
voltage applied to the electrode is increased when the integrated amount of water is less than the prescribed value and reaches another prescribed value less than and different from the prescribed value.

19. The apparatus according to claim 12, wherein
the sterilizing water producing device includes an electrolytic bath, and
it is determined that the sterilizing water producing device is faulty when flow rate of water flowing in the electrolytic bath is less than or equal to a prescribed value.

20. A urinal unit comprising:
a urinal; and
the urinal apparatus according to claim 1.