What is claimed:

1. A urinal for receiving and discharging urine, comprising:

a bowl portion having a bowl surface for receiving urine;

a spouting device disposed on a top portion of the bowl portion for spouting flush water onto the bowl surface; and

a discharge trap portion, communicating with a discharge port disposed on a bottom portion of the bowl portion, for discharging flush water and forming a water seal on a downstream side of the bowl portion;

wherein the discharge trap includes a descending conduit extending downward from the discharge port, a horizontal conduit connected to the descending conduit and extending horizontally, and an ascending conduit connected to an outlet of the horizontal conduit and extending upward; and

wherein a cross section perpendicular to a discharging direction of either the horizontal conduit or the ascending conduit on the discharge trap portion is formed so that an inner side of the urinal from a center of the cross section has a smaller cross sectional area than an outer side of the urinal from the center of the cross section.

2. A urinal according to claim 1, wherein the ascending conduit of the discharge trap portion is formed so that a cross sectional area thereof is essentially constant from an inlet thereof to an outlet thereof.

3. A urinal according to claim 1 or 2, wherein the descending conduit of the discharge trap portion is formed so that a cross sectional area thereof gradually decreases from an inlet thereof to an outlet thereof.

4. A urinal according to any one of claim 1 to 3, wherein the descending conduit of the discharge trap portion is formed so that a cross section thereof is essentially circular.

5. A urinal according to any one of claim 1 to 4, wherein the horizontal conduit and the ascending conduit of the discharge trap portion are respectively formed so that a width dimension of cross sections thereof has essentially the same size as the smallest width dimension of a flow path cross section at an outlet of the descending conduit.

Claims

1. A urinal for receiving and discharging urine, comprising:

a bowl portion having a bowl surface for receiving urine;

a spouting device disposed on a top portion of the bowl portion 5 for spouting flush water onto the bowl surface; and

a discharge trap portion, communicating with a discharge port disposed on a bottom portion of the bowl portion, for discharging flush water and forming a water seal on a downstream side of the bowl portion;

wherein the discharge trap includes a descending conduit extending downward from the discharge port, a horizontal conduit connected to the descending conduit and extending horizontally, and an ascending conduit connected to an outlet of the horizontal conduit and extending upward; and

wherein a cross section perpendicular to a discharging direction of either the horizontal conduit or the ascending conduit on the discharge trap portion is formed so that an inner side of the urinal from a center of the cross section has a smaller cross sectional area than an outer side of the urinal from the center of the cross section, and the descending conduit of the discharge trap portion is formed so that a cross section thereof is essentially circular.

2. The urinal according to claim 1, wherein the ascending conduit of the discharge trap portion is formed so that a cross sectional area thereof is essentially constant from an inlet thereof to an outlet thereof.

3. The urinal according to claim 1 or claim 2, wherein the descending conduit of the discharge trap portion is formed so that a cross sectional area thereof gradually decreases from an inlet thereof to an outlet thereof.

4. The urinal according to any one of claim 1 to 3, wherein the horizontal conduit and the ascending conduit of the discharge trap portion are respectively formed so that a width dimension of cross sections thereof has essentially the same size as the smallest width dimension of a flow path cross section at an outlet of the descending conduit.