Claims

1. A urinal in which a bowl portion is flushed with flush water, having:

the bowl portion furnished with a discharge opening at the bottom;

a discharge trap into which flush water which has passed through the discharge opening flows, for accumulating flush water and forming a water seal;

and a connecting portion for connecting the discharge trap with discharge plumbing for discharging water connected on the downstream side of this discharge trap;

wherein the discharge trap comprises:

a descending pipe extending downward from the discharge opening;

and an ascending pipe extending upward;

wherein the rear wall of the descending pipe and the front wall of the ascending pipe are formed by a shared wall, the ascending pipe is formed on the rear side of the descending pipe sandwiching the shared wall;

and the discharge trap further comprises:

a horizontal pipe including a horizontal pipe entrance and a horizontal pipe exit, and extending essentially horizontally from the horizontal pipe entrance to the horizontal pipe exit in the front-to-back direction, the horizontal pipe connecting the downstream end of the descending pipe and the upstream end of the ascending pipe so that the horizontal pipe entrance connected to the

descending pipe and the horizontal pipe exit connected to the ascending pipe,

wherein the top portion of this horizontal pipe is formed by a return flow path-forming portion at the bottom end of the shared wall, and a resistance portion for reducing the flow speed of flush water flowing in the vicinity of the bottom portion is formed at the bottom portion of the horizontal pipe,

the bottom portion of the horizontal pipe has a flat portion extending flat in the front-to back direction, and the resistance portion is constituted by a flat portion, and

the flat portion is formed so that the bottom portion of the horizontal pipe extends in essentially a horizontal direction in a straight line over the left-to-right direction.

2. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe of the discharge trap is formed from an upstream position than a position vertically below the return flow path-forming portion at the bottom end of the shared wall.

3. The urinal of Claim 2, wherein the bottom surface of the discharge trap is formed by a first arcuate portion formed on the upstream side of the resistance portion, by the resistance portion and by a second arcuate portion formed on the downstream side of the resistance portion.

4. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe

of the discharge trap is a flat portion in which the bottom portion is formed in a flat shape in a section from front to rear of the horizontal pipe.

5. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe of the discharge trap is a corrugated portion formed at the flat portion.

6. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe of the discharge trap is a projecting portion protruding from the flat portion.

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1. A urinal in which a bowl portion is flushed with flush water, having:

the bowl portion furnished with a discharge opening at the bottom;

a discharge trap into which flush water which has passed through the discharge opening flows, for accumulating flush water and forming a water seal;

and a connecting portion for connecting the discharge trap with discharge plumbing for discharging water connected on the downstream side of this discharge trap;

wherein the discharge trap comprises:

a descending pipe extending downward from the discharge opening;

and an ascending pipe extending upward;

wherein the rear wall of the descending pipe and the front wall of the ascending pipe are formed by a shared wall, the ascending pipe is formed on the rear side of the descending pipe sandwiching the shared wall;

and the discharge trap further comprises:

a horizontal pipe including a horizontal pipe entrance and a horizontal pipe exit, and extending essentially horizontally from the horizontal pipe entrance to the horizontal pipe exit in the front-to-back direction, the horizontal pipe connecting the downstream end of the descending pipe and the upstream end of the ascending pipe so that the horizontal pipe entrance connected to the

descending pipe and the horizontal pipe exit connected to the ascending pipe,

wherein the top portion of this horizontal pipe is formed by a return flow path-forming portion at the bottom end of the shared wall, and a resistance portion for reducing the flow speed of flush water flowing in the vicinity of the bottom portion is formed at the bottom portion of the horizontal pipe,

the bottom portion of the horizontal pipe has a flat portion extending flat in the front-to back direction, and the resistance portion is constituted by the flat portion, and

the flat portion is formed so that the bottom portion of the horizontal pipe extends in essentially a horizontal direction in a straight line over the left-to-right direction.

2. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe of the discharge trap is formed from an upstream position than a position vertically below the return flow path-forming portion at the bottom end of the shared wall.

3. The urinal of Claim 2, wherein the bottom surface of the discharge trap is formed by a first arcuate portion formed on the upstream side of the resistance portion, by the resistance portion and by a second arcuate portion formed on the downstream side of the resistance portion.

4. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe

of the discharge trap is a flat portion in which the bottom portion is formed in a flat shape in a section from front to rear of the horizontal pipe.

5. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe of the discharge trap comprises a corrugated portion formed at the flat portion.

6. The urinal of Claim 1, wherein the resistance portion of the horizontal pipe of the discharge trap comprises a projecting portion protruding from the flat portion.