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**SHO60-190865**

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Title of Invention: Excreted urine splash prevention device

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Specification

1 Title of the Invention: Urine splash prevention device

2 Scope of claims for utility model registration

A urine splash prevention device, consisting of an L-shaped frame (1) formed to fit the shape of the inner periphery of the urinal, to which a mesh (2) is attached, a body formed by a vertical side (4) equipped with a brush (3) and a bottom side (5) being fitted together by a support (6) is attached with a fastening device (7), and this is attached to the inside of the urinal for use.

3 Detailed Description of the Invention

The present invention relates to a urine splash prevention device, which is used by stretching a mesh over the entire surface of an L-shaped outer frame formed to match the inside shape of a urinal, and attaching a bent-tip attachment to the body, which is supported by a support shaft at the point where the vertical side equipped with a brush and the bottom side meet, attaching a fastener with a bent-tip end, and stretching this around the inside of the urinal.

In conventional urinals, urine is urinated directly onto the hard surface made of a toilet or plastic, so the urine hits the toilet and splashes and flows away, and some of it splashes far away as beads, landing on the floor, shoes, clothing, footwear, etc. around the legs, which causes a bad odor and is unsanitary and very unpleasant.

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The present invention was devised to eliminate this drawback.

Explaining this with reference to the drawings,

This is a urine splash prevention device in which a fine mesh (2) is stretched over the entire vertical edge (5) and bottom edge (6) of an L-shaped frame (1) formed to fit the inside perimeter of the urinal, and the main body, which has a brush (3) attached, has engaging parts for each edge that are supported by supports (6) that can be detached and bent freely to make it easy to handle, and has a number of fastening members (7) provided with tensioning legs having bent tips that are attached to the inside perimeter of the urinal.

[Seal: *illegible*]

When the urinal is attached to the inner periphery of the urinal by sliding and pressing the tip of the tensioning legs, the entire unit is composed of an elastic brush and fine mesh, so the urine is diverted and depressurized by the brush and the mesh, the pressure is reduced, the sound is reduced and muffled, and the urine flows away without splashing elsewhere.

Therefore, splashes can be completely prevented, making it hygienic and safe to use.

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The shape is formed to fit the inside periphery of the urinal, so the flushing water flowing out of the flushing pipe falls easily over the entire device, keeping it always clean, and forming the area for receiving urine to be broad means there is no need to worry about having enough space.

With urinal designs used up until now, it has been difficult to prevent urine from splashing.

In normal toilets, the presence of splashed urine cannot be detected with the naked eye, and is soon forgotten about. However, having another person's urine on one's clothing, etc. is very unpleasant and indecent.

This invention completely solves the above shortcomings and is an essential component of environmental hygiene.

The following are some possible implementations of this device:

Attachment of a fastener (7) with a suction cup.

Attachment of the fastener (7) with a magnet.

Attachment of the fastener (7) to the back side of the bottom edge,

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Attachment by stretching it into the drainage cavity of the urinal.

4 Brief Description of Drawings

Fig. 1 is a perspective view of the present invention

Fig. 2 is a perspective view of the device in use

Fig. 3 is an explanatory diagram showing another embodiment

Fig. 4 is an explanatory diagram showing another embodiment

Fig. 5 is an explanatory diagram showing another embodiment

(1) is a frame (2) is a mesh (3) is a brush (4) is a vertical profile  
(5) is a bottom profile (6) is the bearing shaft support point (7) is a locking device

[Seals: illegible]

Utility model applicant Koji Fushimi

Drawings

FIG. 1

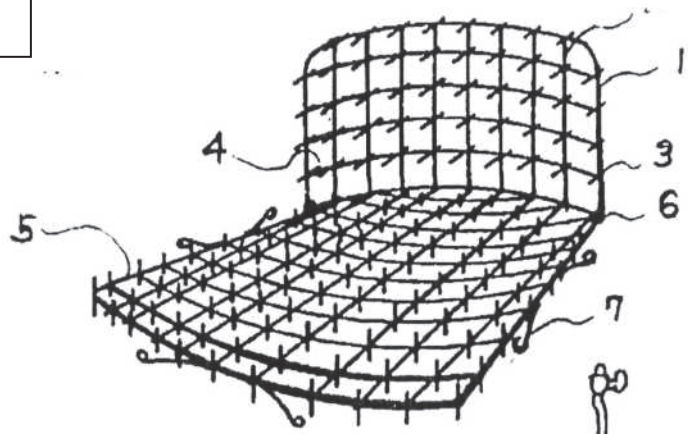


FIG. 3

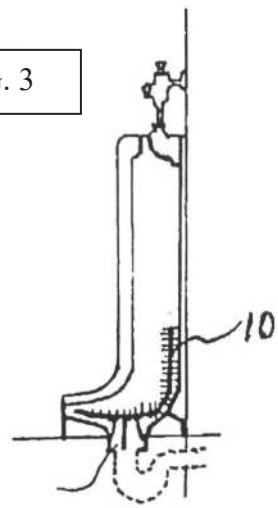


FIG. 2

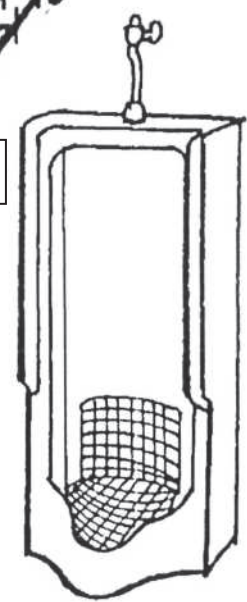


FIG. 5

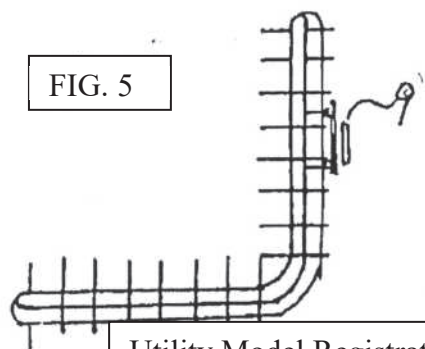
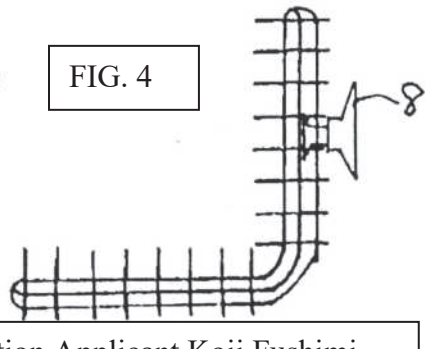


FIG. 4



Utility Model Registration Applicant Koji Fushimi

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