CHOKELESS SINK STRAINER

Inventor: Yeong Cherng Ho, Singapore (SG)

Correspondence Address:
Ho Yeong Cheng
Blk 525 Serangoon North Ave 4, #04-72 Singapore 550525
Singapore (SG)

Appl. No.: 11/012,304
Dec. 1, 2005

PCT No.: PCT/SG2005/000409

§ 371 (c)(1), (2), (4) Date: May 20, 2008

The invention resolves the choking problem of the existing sink strainers. The new design has a water outlet and a residue settlement area. See FIG. 7 for the concept design. The water outlet is designed at above the surface of the sink and the settlement area is at below the surface. The residues will eventually settle down in the settlement area when the water flows through the strainer. The water outlet will not be covered by the residues as it is above the surface. Having these two features in one will prevent the sinks from choking.
Figure: 1

Surface of the sink

Water Sink

Below the surface of the sink

Figure: 2

Surface of the sink

The residues cover the strainer and choke the sink

Figure: 3

Surface of the sink

The strainer is above the surface of the sink

Figure: 4

Surface of the sink

Water outlet

Residues

Figure: 5

Surface

Filter above the surface

Figure: 6

Surface

Filter below the surface

Figure 7

Surface

Water escape outlet

Residues settlement area
Figure 8

Top view

Side view

Figure 9

Hotel

Logo

Top view

Side view

Figure 10

Top view

Side view

Note: All dimensions in mm.
CHOKELESS SINK STRAINER

BACKGROUND OF THE INVENTION

[0001] 1. Currently, the sink strainers in the market are designed lower than the surface of the sink. See FIG. 1.
[0002] 2. This design has a problem. It causes the sink to choke when the residues eventually settle down and cover the strainer. See FIG. 2.
[0003] 3. In the new design, the strainer is above the surface of the sink. See FIG. 3.
[0004] 4. The part that is above surface of the sink will not be covered by the residues and leave behind an outlet for the water to escape and eventually prevent choking the sink. See FIG. 4.

DESCRIPTION

[0005] FIG. 1 showing the current design of the sink strainer.
[0006] FIG. 2 showing the problem of the existing design.
[0007] FIG. 3 showing the main feature of the invention.
[0008] FIG. 4 showing the result of the invention.
[0009] FIG. 5 showing the first feature of the design.
[0010] FIG. 6 showing the second feature of the design.
[0011] FIG. 7 showing the concept design of the invention.

[0012] FIG. 8 showing the sample design in another form and shape.
[0013] FIG. 9 showing the sample design in another form and shape.
[0014] FIG. 10 showing the sample design in another form and shape.

1. The invention combines two features in the design to achieve the chokeless (Anti-Choke) solution. The features are as follow:
   A. Feature 1:
   The first feature is the filter (i.e. the area with holes) portion above the surface of the sink that prevents any settlement of residues and leave behind an outlet for the water to escape. See FIG. 5.
   B. Feature 2:
   The second feature is the filter (i.e. the area with holes) portion below the surface of the sink that allows settlement of the residues so that the residues will not block up the first feature. See FIG. 6.

As long as a strainer design consists of the above mentioned two features in one, regardless of the forms and shapes that will be the claim. See FIGS. 8, 9 and 10 for the sample designs in another forms and shapes.