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A. S. RAJNICEK
SCREEN FOR URINALS

2,718,013

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Fig. 1.

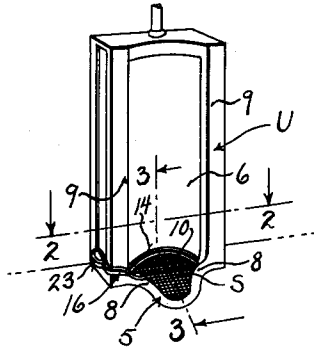


Fig. 2.

Fig. 3.

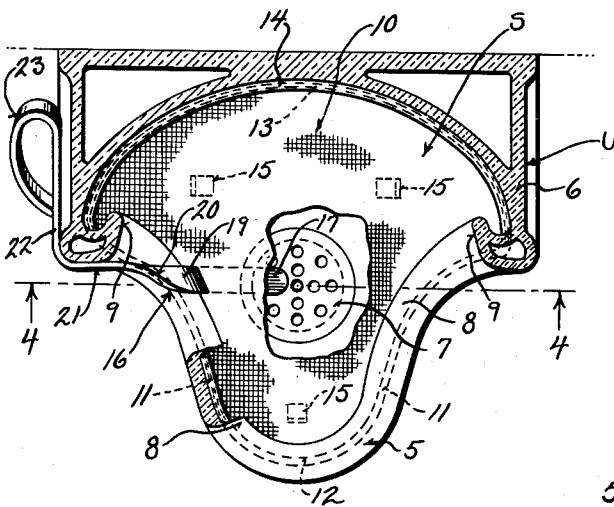
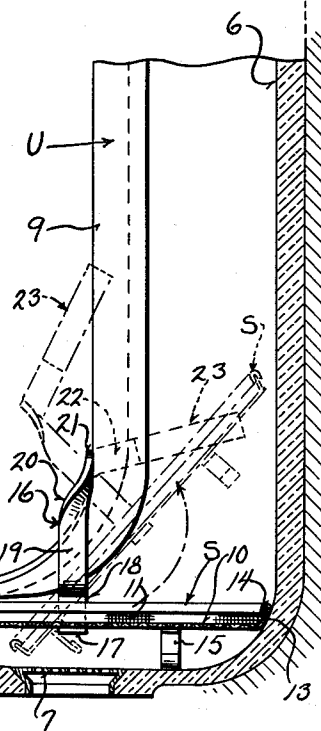
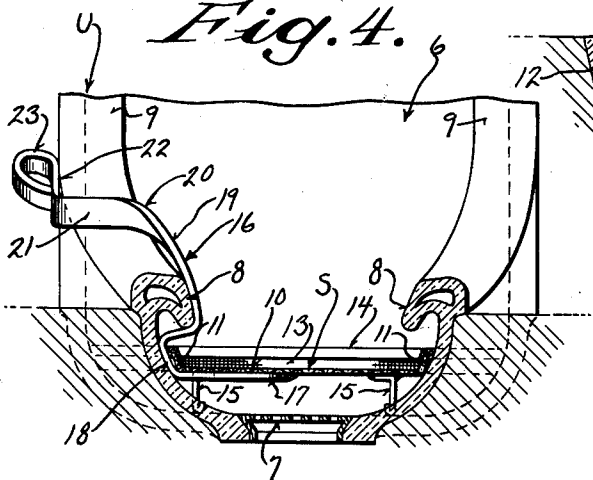


Fig. 4.



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SCREEN FOR URINALS

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1 Claim. (Cl. 4—109)

This invention appertains to urinals and more particularly to a novel screen or debris guard therefore.

It has been proposed to utilize screens in conjunction with urinals, but in all screens with which I am familiar, much difficulty has been experienced in placing the screens in position and removing the same from the urinal and this is particularly true in the modern floor type of urinals. In removing such screens, the debris caught by the screen is often inadvertently dumped into the urinal.

One of the primary objects of my invention is to provide a novel handle for manipulating the screen whereby the screen can be easily placed into and removed from the urinal without the necessity of placing the hands in the urinal and whereby the screen can be held steady.

Another salient object of my invention is to construct the handle in such a manner that the same will be in an out of the way position and conform to the shape of the urinal, so as to not detract from the appearance of the urinal and still permit the desired ease in the handling of the screen.

A still further important object of my invention is the provision of a novel screen for urinals of the floor type, which can be manufactured and placed upon the market at a reasonable cost and one which will be durable and efficient in use.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawings, in which drawings:

Figure 1 is a perspective view of a urinal showing my screen in operative position therein;

Figure 2 is a horizontal sectional view through the urinal taken on the line 2—2 of Figure 1 looking down on the screen, the figure illustrating the novel formation and position of the handle;

Figure 3 is a fragmentary vertical sectional view through the urinal and screen taken on the line 3—3 of Figure 1 looking in the direction of the arrows; and

Figure 4 is a vertical sectional view taken at right angles to Figure 3 and on the line 4—4 of Figure 2 looking in the direction of the arrows, the view illustrating the position of the handle relative to the urinal.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter S generally indicates a removable screen or guard for a urinal U.

The urinal U is of the floor type now commonly used in modern buildings and forms no part of the present invention. Hence, the same will not be described in minute detail, but the same includes a lower basin portion 5 and the upright apron portion 6. The bowl 5 is provided with the usual drain 7 and the forward upper edge of the bowl has formed thereon, the usual inturned flange 8 which extends back and merges into the inturned flange 9 on the apron 6.

The screen S includes a substantially flat bottom wall 10 having up-turned side walls 11, an up-turned front wall 12 and an up-turned rear wall 13. The bottom wall 10 and the walls 11, 12 and 13 are preferably formed from a single sheet of woven wire material of the desired mesh and gage and the upper edges of the walls 11, 12 and 13 can be reinforced by a metal folded strip 14. Welded or otherwise secured to the lower surface of the bottom wall 10 are depending legs 15 for spacing the

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screen from the bottom of the basin 5 and to insure the holding of the screen in a level horizontal position. In accordance with my invention, I provide a novel manipulating handle 16 for the screen and this handle is preferably formed from strap metal suitably treated to resist rust and to present a pleasing appearance. The handle embodies a horizontally disposed bottom attaching foot 17 which extends under the screen and this foot is welded or otherwise secured to the screen. As illustrated in Figures 2 and 4, the foot extends transversely across the screen for a part of the width of the screen. The outer end of the foot 17 is bent into a substantially U-shaped portion 18 which extends about one side wall 11 of the screen and partially over the upper edge of the screen for a purpose, which will be later brought out. Formed on the upper leg of the U-shaped portion is an upwardly curved arm 19 and the extreme upper end of the arm is slightly twisted and bent laterally as at 20 to provide a flat horizontal leg 21. The leg 21 in turn, has formed thereon the rearwardly directed and upwardly angled shank 22 and the rear end of the shank is looped back upon itself to form a hand grip 23.

By referring to Figure 3, it can be seen that the screen is placed in position in the bowl by initially disposing the same in the apron in rear of and above the bowl, after the screen is moved forwardly into the bowl under the rear or flange 8. This is accomplished by firmly grasping the hand grip 23. It can be seen that the U-shaped portion of the handle fits within the bowl and the upper leg of the U-shaped portion extends under the flange 8. The arm 19 extends close along the flange toward the flange or lip 9 of the apron and the leg 21 and the shank 22 closely follow the shape of the apron. There are no projecting portions formed on the handle and the bowl part of the urinal is entirely unobstructed. The hand grip 23 is above and in rear of the bowl and can be easily grasped for manipulating the screen. The side walls of the screen prevent the inadvertent dumping of debris into the bowl during the manipulation of the screen by the handle.

From the foregoing description, it can be seen that I have provided an exceptionally simple screen or guard for urinals which can be easily handled by a cleaning person.

Changes in details may be made without departing from the spirit or scope of the invention but what I claim as new is:

A removable screen or guard for urinals of the type including a bowl and an upwardly extending apron comprising a foraminous body portion shaped to fit the bowl and a manipulating handle including a foot extending transversely under the body for a substantial width thereof and secured thereto, a U-shaped portion formed on the outer end of the foot extending around and over one edge of the body, the U-shaped portion being adapted to extend into the bowl, an upwardly extending arm formed on the U-shaped portion projecting above the bowl, a right angularly extending leg adapted to lie flat against the front of the apron above the bowl, a rearwardly extending shank on said leg adapted to extend along one side of the apron, and a manipulating handle on said shank.

References Cited in the file of this patent

UNITED STATES PATENTS

1,143,244	Wilson	June 15, 1915
2,598,543	Hoffman et al.	May 27, 1952

FOREIGN PATENTS

191,199	Switzerland	Aug. 16, 1937
639,408	France	Mar. 10, 1928