

[54] **SCRUB SINK**
[75] Inventors: **Thomas Brendgord, Erie, Pa.; Klaus G. Strasser, Jamestown; Jon W. Wehrenberg, Kennedy, both of N.Y.**
[73] Assignee: **American Sterilizer Company, Erie, Pa.**
[22] Filed: **Aug. 13, 1970**
[21] Appl. No.: **63,525**
[52] U.S. Cl. **4/166, 4/187**
[51] Int. Cl. **A47k 1/04, E03c 1/12**
[58] Field of Search. **4/146, 145, 166, 4/167, 173, 187**

[56] **References Cited**
UNITED STATES PATENTS

1,448,975	3/1923	Nenonen	4/166
230,453	7/1880	Watkins	4/146
3,298,037	1/1967	Luther	4/166
2,310,617	2/1943	Conner	4/166
3,457,568	7/1969	Amatruda	4/146
752,803	2/1904	Ross	4/145
2,775,774	1/1957	Logan	4/166
2,999,249	9/1961	Logan et al.	4/166

2,999,248	9/1961	Logan et al.	4/166
3,106,722	10/1963	Logan et al.	4/166 X
3,550,863	12/1970	McDermott	4/145

FOREIGN PATENTS OR APPLICATIONS

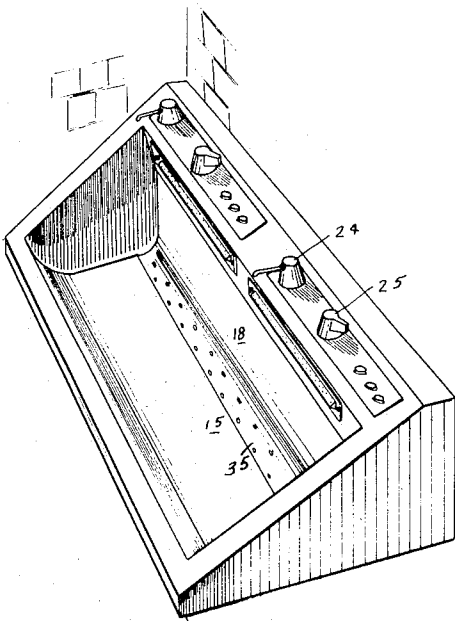
21,430	8/1930	Netherlands	4/166
60,971	3/1968	Germany	4/166
309,889	7/1933	Italy	4/166

Primary Examiner—Houston S. Bell, Jr.
Assistant Examiner—Donald B. Massenberg
Attorney—Charles L. Lovercheck

[57] **ABSTRACT**

This disclosure describes a scrub sink especially suited for use in hospitals and the like. The sink has an elongated basin to accommodate use by more than one person at one time. At least two elongated nozzles are provided. The nozzles are sufficiently long in lateral expanse to spray the entire forearm of the user. The bottom of the basin is contoured to avoid splashing of the water. The nozzles are removable for easy cleaning and the entire control panel may be removed as a unit for servicing.

3 Claims, 5 Drawing Figures



Patented April 24, 1973

3,728,745

2 Sheets-Sheet 1

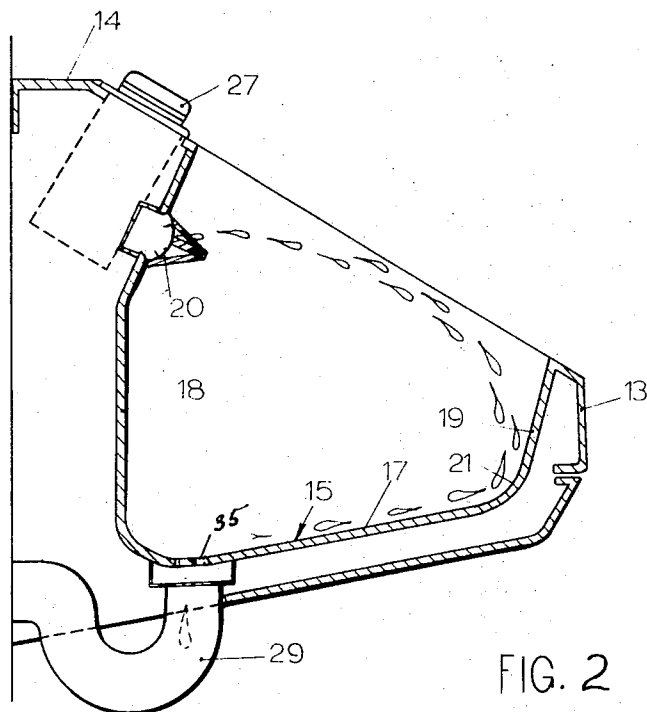


FIG. 2

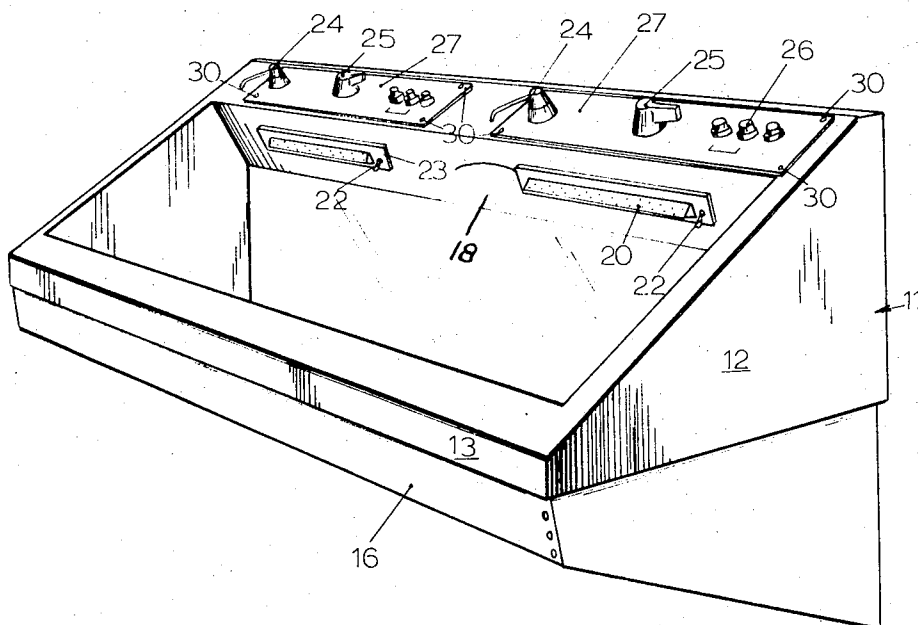


FIG. 1

Inventor

THOMAS BRENDGORD
KLAUS G. STRASSER
JON W. WEHRENBURG

By

Charles L. Lauenbach

Attorney

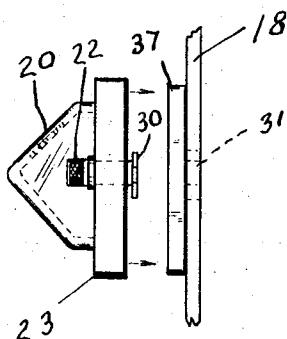


FIG. 4

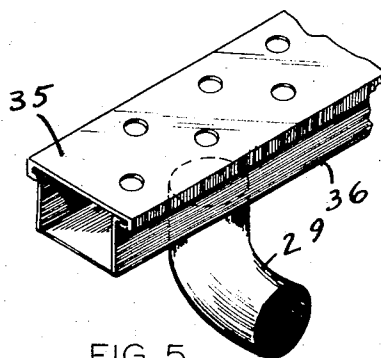


FIG. 5

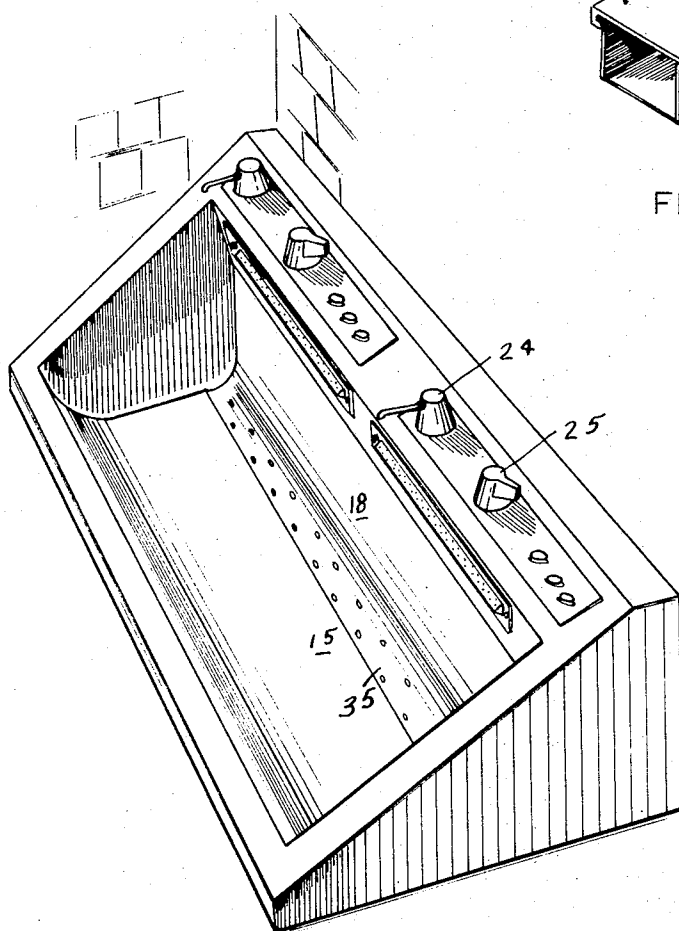


FIG. 3

Inventor
THOMAS BRENDGORD
KLAUS G. STRASSER
JON W. WEHRENBURG

By

Charles L. Lomshutz

Attorney

SCRUB SINK**STATEMENT OF INVENTION**

This invention relates to scrub sinks, and more particularly, to scrub sinks for use in hospitals.

OBJECTS OF THE INVENTION

It is an object of the invention to provide an improved scrub sink.

Another object of the invention is to provide a scrub sink having nozzles sufficiently long to spray the entire forearm of a person.

Another object of the invention is to provide an improved scrub sink wherein the water from the nozzles impinges on the bottom in such a manner that it provides minimum splashing.

Another object of the invention is to provide an improved scrub sink wherein the control consoles are removable as a unit for servicing.

REFERENCE TO PRIOR ART

The controls on this scrub sink may be similar to that shown in U.S. Pat. No. 3,298,037, dated Jan. 17, 1967, issued to John Randolph Luther, which is assigned to American Sterilizer Company.

GENERAL DESCRIPTION OF THE DRAWINGS

FIG. 1 shows an isometric view of a scrub sink according to the invention.

FIG. 2 shows a longitudinal cross sectional view of the sink.

FIG. 3 shows an isometric view similar to FIG. 1, taken from a slightly different angle of the sink according to the invention.

FIG. 4 shows an exploded partial view of the nozzle removed from the sink.

FIG. 5 is an enlarged broken-away view of part of the strainer section.

DETAILED DESCRIPTION OF THE DRAWINGS

Now with more particular reference to the drawings, the sink indicated generally at 11 is supported on a base 16. The sink has outside walls 12 and a front 13, a bottom 17, rear wall 18 and a front inside wall 19. The nozzles 20 are supported on the back wall 18 of the sink. The nozzles 20 are of a length approximately that of the forearm of a person. The nozzles have a flat upper surface shown, which has openings communicating with the inside of it which direct water upward and forward so as to spray the entire forearm of the user substantially simultaneously. The front wall curves downward at 21 and merges with the bottom to provide a curved surface upon which water projected from the nozzles engages and flows downwardly without splashing. It will be noted that the trajectory of the water from the nozzles will be such as to flow down the inside front wall 19, around the curved surface 21 and along the bottom 17 without splashing.

The nozzles 20 are attached to plates 23 and plates 23 are held to the wall 18 of the sink by means of fasteners 22 which have knurled thumb-engaging portions shown. The fasteners have the enlarged heads 30 which will be received in openings 31 in the wall 18 thereby holding the nozzles in place. Plate 23 is

clamped against the rubber gasket 37. Suitable water connections will be connected to the back of the opening 31 and the control mechanism in the modules 27 may be similar to that shown in U.S. Pat. No. 3,298,037. These modules will have a detergent dispenser 24, a water temperature control 25, and signal lights 26.

The sink has a suitable drain and trap indicated at 29 which is of a conventional type. A channel 36 is formed in the bottom 17 and extends laterally across the bottom and the drain 29 connects to the channel. A strainer sheet 35 is supported over the drain channel.

The foregoing specification sets forth the invention in its preferred practical forms but the structure shown is capable of modification within a range of equivalents without departing from the invention which is to be understood is broadly novel as is commensurate with the appended claims.

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. In combination, a surgeons' troughlike scrub sink, and at least two nozzles,
 - said sink having a rear wall, a front wall, two side walls and a bottom,
 - said front wall and said bottom joining each other in a surface curving downwardly and rearwardly from said front wall,
 - said nozzle having an elongated spray head having an elongated chamber for water disposed in said rear wall,
 - said nozzles together extending substantially the entire length of said rear wall,
 - each said nozzle having a substantially flat top surface inclined forwardly and downwardly and spray openings in said flat surface whereby water from said openings is projected forwardly at substantially equal pressure over substantially the entire forearms of a user,
 - a drain channel extending substantially the entire width of said bottom and openings in said bottom connecting to said drain channel,
 - said curved surface disposed at such a distance from said spray head that water from said spray head may engage said front wall adjacent said curved surface and flow downward over said curved surface and over said bottom to said drain with substantially no splashing, and
 - a control unit connected to said spray head whereby the temperature and time of said spray is controlled.

2. The sink recited in claim 1 wherein a generally horizontally disposed panel is attached to said rear wall, and

- said panel has openings therein,
- a control console is connected to said spray head,
- said console is supported on said platelike member,
- said platelike member being removably attached to said panel whereby said platelike member may be removed with said control console thereon.

3. The control recited in claim 1 wherein said platelike member is supported in said rear wall by means of a plurality of fastening members extending through said platelike member in said rear wall.

* * * * *