

Dec. 7, 1926.

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1,609,430

MULTIPLE CONTROL SECTIONAL SPRAY HEAD

Filed Dec. 26, 1925

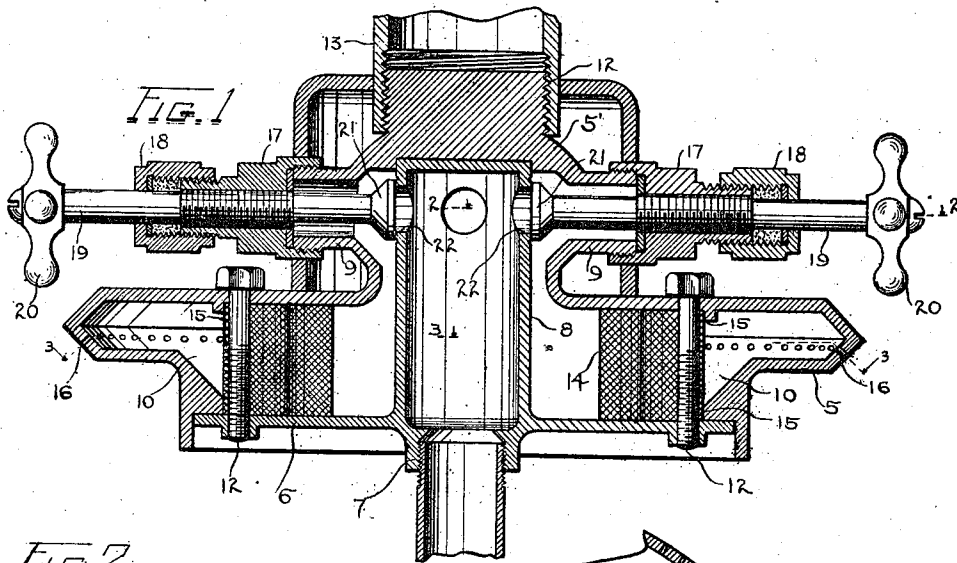


FIG. 2

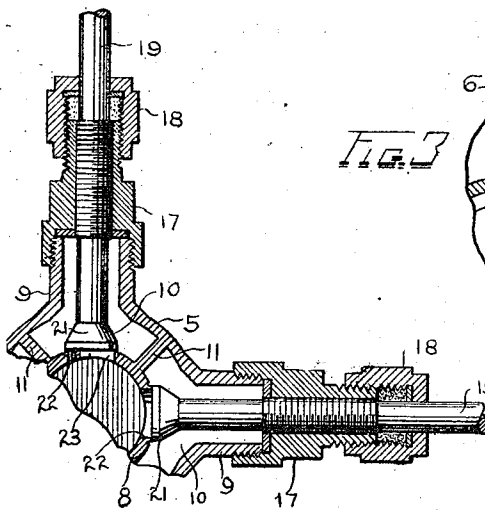
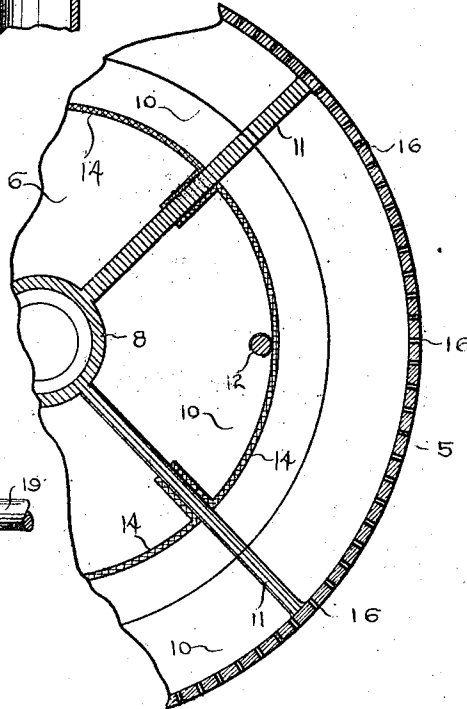


FIG. 3



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MULTIPLE-CONTROL SECTIONAL SPRAY HEAD.

Application filed December 26, 1925. Serial No. 77,739.

This invention relates to improvements in multiple control sectional spray heads, more particularly, but not solely, adapted for use with a sanitary washfountain.

5 It is the present day practice in modern factories and other buildings in which a large number of persons are employed, to provide lavatories for washing purposes.

10 These lavatories are usually of circular shape to permit a number of persons to wash at the same time, and are provided with valves for controlling the flow of water. The valves are usually positioned on one side of the lavatory, and if a person washing on
15 the side of the lavatory opposite to the side provided with the valve, desires to turn the water off or on, it is necessary to walk around the fountain, with the result that the valve is often left in the "on" position,
20 and considerable water is wasted.

It is one of the objects of the present invention to overcome the before mentioned objectionable features, and provide valves which may be controlled from a plurality of
25 sides of the fountain to control the flow of water from the desired section of the spray head.

A further object of the invention is to provide a multiple control sectional spray
30 head provided with removable screen means for each spray section of the spray head.

A further object of the invention is to provide a multiple control sectional spray head which is of simple construction, is
35 strong and durable and is well adapted for the purpose described.

40 With the above and other objects in view, the invention consists of the improved multiple control sectional spray head and its parts and combinations as set forth in the claims, and all equivalents thereof.

In the accompanying drawing, in which the same reference characters indicate the same parts in all of the views:

45 Fig. 1 is a vertical sectional view of the improved multiple control sectional spray head;

Fig. 2 is a horizontal sectional detail view taken on line 2—2 of Fig. 1; and

50 Fig. 3 is a horizontal sectional detail view taken on line 3—3 of Fig. 1.

Referring to the drawing, the numeral 5 indicates a spray head casing which is preferably of circular shape in horizontal plane,
55 and is provided with a lower removable

plate 6 formed with a central inlet opening 7 and an upwardly projecting tubular extension 8 closed at its upper end and bearing against the casing. The upper portion 5' of the casing is of smaller diameter than the
60 lower portion, and is formed with four radially extending tubular portions 9. The casing is also divided into segmental compartments 10 by vertically extending radial partitions 11 which are formed integral with
65 the side and upper walls of the casing and contact with the bottom plate 6 and the tubular extension 8 to form substantially a water tight connection therebetween. Bolts
70 12 securely clamp the bottom plate 6 to the casing, and the upper end portion of the casing is formed with a thread 13 for connection with a reinforcing pipe 14 to hold the parts more firmly in position. Each compartment is provided with a removable wire
75 screen 14 bearing against shoulders 15 and dividing the inner portion of the compartment from the outer portion for screening the water discharged from the spray head. The outer periphery of the spray head is
80 provided with a circumferential line of radial outwardly and downwardly directed spray apertures 16 through which water is discharged for washing purposes.

Tubular extensions 17 having stuffing nuts
85 18 at their outer end portions are threaded on the outer end portions of the casing extensions. Valve stems 19 extending through and having a threaded engagement with the tubular extensions 17 are provided with handles 20 at their outer ends. The inner ends
90 of the stems are provided with flat faced valves 21 which are positioned to engage the valve seats 22 of ports or openings 23. The stuffing nuts 18 through which the valve
95 stems also extend form water-tight connections around the stems.

The spray head is preferably adapted for use with the circular type of sanitary wash-fountain now in ordinary use, and provides
100 a means for turning on and off independent sections of the spray head by the person using same. As thus arranged, a number of persons can individually turn the water on or off as desired, without in any manner
105 interfering with the use of other sections of the fountain by other persons.

From the foregoing description it will be seen that the multiple control sectional spray head is of simple construction, is strong and
110

5 durable, and is well adapted for the purpose described.

What I claim as my invention is:

1. A multiple control sectional spray
5 head, comprising a casing having a plurality of spray apertures and partitions dividing the casing into a number of sections, a removable plate forming the bottom portion
10 of the casing and having an upwardly projecting tubular extension provided with ports opening into the sections, said plate also engaging the lower edge portions of the partitions, said tubular extension supplying water to the sections, and valves controlling said ports and having stems which
15 extend exteriorly of the casing for moving the valves to open or closed position.

2. A multiple control sectional spray head, comprising a casing having a plurality of
20 spray apertures and partitions dividing the casing into a number of sections, said casing having an open bottom portion and an upper portion provided with a radially extending tubular portion for each section, a removable
25 plate forming the bottom portion of the casing and having a central upwardly projecting tubular extension provided with ports opening into the sections, said plate also engaging the lower edge portions of the parti-
30 tions, said tubular extension supplying water to the sections, tubular extensions connected to the radially extending tubular portions of the casing, and valves controlling said extension ports and having stems which
35 extend exteriorly of the casing for moving the valves to open or closed position.

3. A multiple control sectional spray head, comprising a casing having a plurality of
40 spray apertures and partitions dividing the casing into a number of sections, said casing having an open bottom portion and an upper portion provided with a radially extending tubular portion for each section, a removable
45 plate forming the bottom portion of the casing, and having a central upwardly projecting tubular extension provided with ports opening into the sections, said plate also engaging the lower edge portions of the partitions, said tubular extension supplying
50 water to the sections, tubular exten-

sions connected to the radially extending tubular portions of the casing, valve stems extending through and threaded to the tubular extensions and having valves on their inner ends which control the flow of water
55 through the port openings of the tubular extension, and handles on the outer end portions of said stems.

4. A multiple control sectional spray head, comprising a casing having a plurality of
60 spray apertures and partitions dividing the casing into a number of sections, a tubular portion extending upwardly into the casing and having ports opening into the sections, screens positioned between the partitions
65 and the tubular extension and the apertured portions of the casing, and valves controlling said ports and having stems which extend exteriorly of the casing for moving the valves to open or closed position.

5. A multiple control sectional spray head, comprising a casing having a plurality of
70 spray apertures and partitions dividing the casing into a number of sections, a removable plate forming the bottom portion of the casing and having an upwardly projecting
75 tubular extension provided with ports opening into the sections, said plate also engaging the lower edge portions of the partitions, said tubular extension supplying water to the sections, screens positioned between the
80 partitions and the tubular extension and the apertured portions of the casing, and valves controlling said ports and having stems which extend exteriorly of the casing for
85 moving the valves to open or closed position.

6. A multiple control sectional spray head, comprising a casing having a plurality of
90 spray apertures and partitions dividing the casing into a number of sections, a tubular portion positioned within the casing and having ports opening into the sections, screens positioned between the partitions
95 and the tubular extension and the apertured portions of the casing, and valves controlling said ports and having stems which extend exteriorly of the casing for moving the valves to open or closed position.

In testimony whereof, I affix my signature.

LOUIS SCHLESINGER.