

J. D. WINFREE.
WASHBASIN PLUG.
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936,393.

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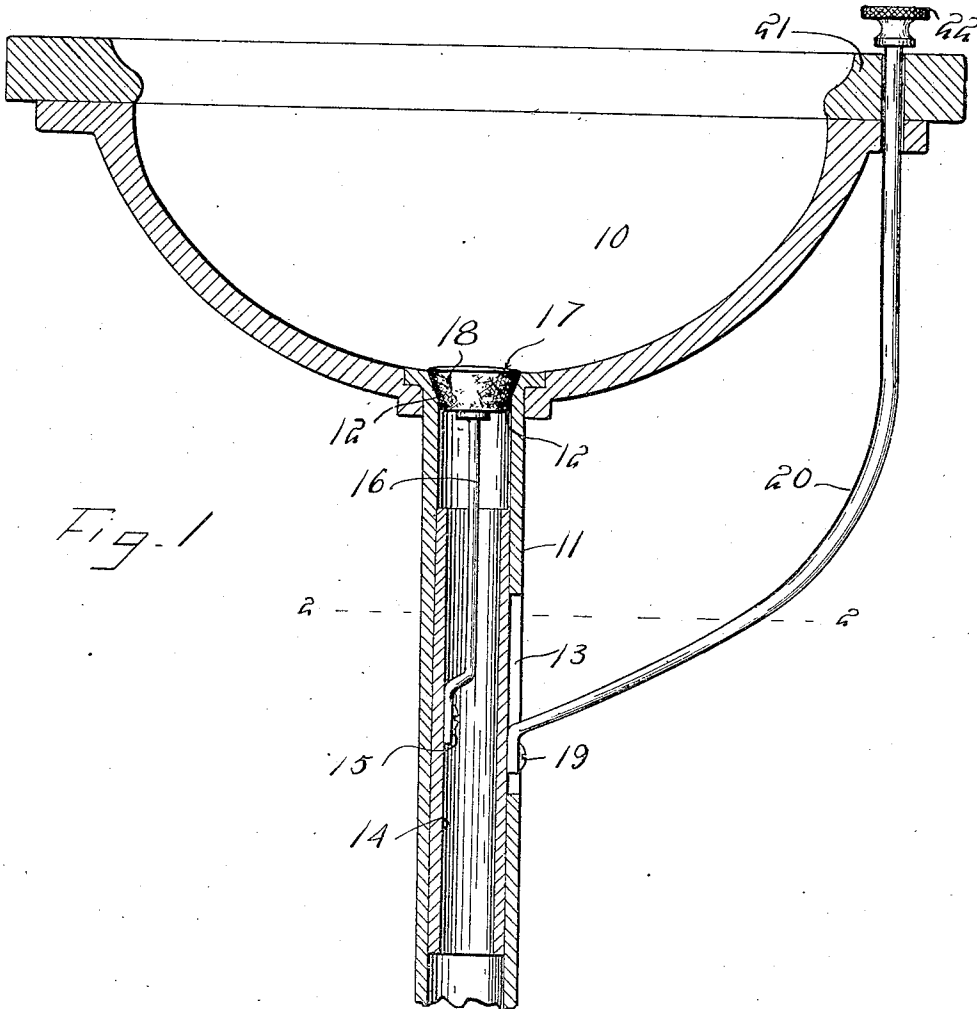


Fig. 1

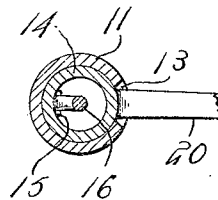


Fig. 2

Witnesses

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UNITED STATES PATENT OFFICE.

JOHN D. WINFREE, OF LOUISBURG, NORTH CAROLINA.

WASHBASIN-PLUG.

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To all whom it may concern:

Be it known that I, JOHN D. WINFREE, a citizen of the United States, residing at Louisburg, in the county of Franklin, State of North Carolina, have invented certain new and useful Improvements in Washbasin-Plugs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in wash basin plugs, and has for one of its objects to improve the construction, and increase the efficiency and utility of devices of this character.

With this and other objects in view the invention consists in certain novel features of construction as hereafter shown and described and then specifically pointed out in the claims, and in the drawings illustrative of the preferred embodiment of the invention, Figure 1 is a longitudinal sectional elevation of a conventional wash basin with the improvement applied. Fig. 2 is a section on the line 2—2 of Fig. 1.

The improved device may be applied to any of the various forms of wash basins in common use, but for the purpose of illustration is shown applied to a conventional wash basin represented at 10 and from which a waste pipe 11 extends, the waste pipe having a valve seat 12 at its juncture with the basin.

Formed in one side of the pipe 11 is a longitudinal slot 13, and slidably disposed within the pipe 11 is a guard device 14 in tubular form open at the ends and closely fitting within the pipe and constantly closing the slot 13. By this arrangement the guard member 14 may be moved longitudinally of the waste pipe to a certain extent without uncovering the slot. The water flowing through the waste pipe will thus be prevented from escaping through the slot, while the presence of the guard, being open at both ends, does not interfere with the free flow of the waste water.

Secured at 15 within the guard member 14 is a stem 16 having a plug valve 17 at its

upper end, the plug valve having a suitable packing 18 of rubber or like material adapted to bear upon the seat 12. By this means when the member 14 is arranged in its lowest position the plug 17—18 will shut off the flow from the bowl, and when the member 14 is elevated the valve will be opened and the waste water free to escape.

Connected at 19 to the guard member 14 is a rod 20, the latter extending through the slot 13 of the waste pipe and thence curved outwardly and upwardly and extending through the body 21 of the wash stand to which the bowl is attached, and terminating in a pull knob 22. By this arrangement it will be obvious that an upward pull upon the knob 22 will carry the guard member 14 and its connected valve upwardly and open the valve, while at the same time the connection 19 of the rod 20 limits the movement of the rod and prevents the slot 13 from being uncovered or opened at any point in the stroke.

The improved device is simple in construction, can be inexpensively manufactured, and applied without material changes to wash basins of various sizes and forms.

All of the parts except the packing 18 are of metal, and when properly constructed will produce an efficient device for the purposes described.

The device is constructed of few parts, and will not therefore be liable to get out of order or to become disarranged.

What is claimed as new, is:—

1. The combination with a bowl of a waste pipe having a longitudinal slot with a valve seat at the juncture of the pipe and bowl, a tubular guard open at the ends and slidable in said pipe and continuously closing said slot, a stem connected to said guard, a valve carried by said stem and engaging said seat, and operating means connected to said guard and extending through said slot.

2. The combination with a wash bowl of a waste pipe leading from said bowl and provided with a longitudinal slot, a tubular guard slidable in said pipe and constantly closing said slot, a stem connected to said guard, a valve carried by said stem and adapted to close said waste pipe, and an op-

erating rod connected at one end to said guard and extending through said slot and projecting at one end above the bowl.

3. The combination with a bowl of a waste
5 pipe having a longitudinal slot with a valve seat at the juncture of the pipe and bowl, a tubular guard open at the ends and slidable in said pipe and continuously closing said slot, a valve connected to operate with said

guard, and engaging said seat, and operating 10 means connected to said guard and extending through said slot.

In testimony whereof, I affix my signature, in presence of two witnesses.

JOHN D. WINFREE.

Witnesses:

WM. BAILEY,

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