

G. B. STACK.
PUBLIC DRINKING FOUNTAIN.
APPLICATION FILED JUNE 16, 1911.

1,016,652.

Patented Feb. 6, 1912.

Fig. 3.

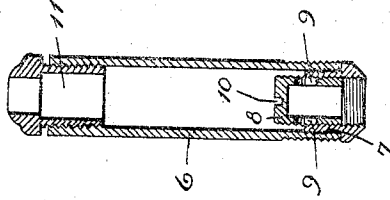


Fig. 2.

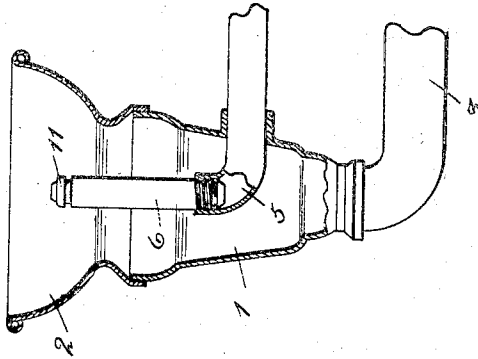
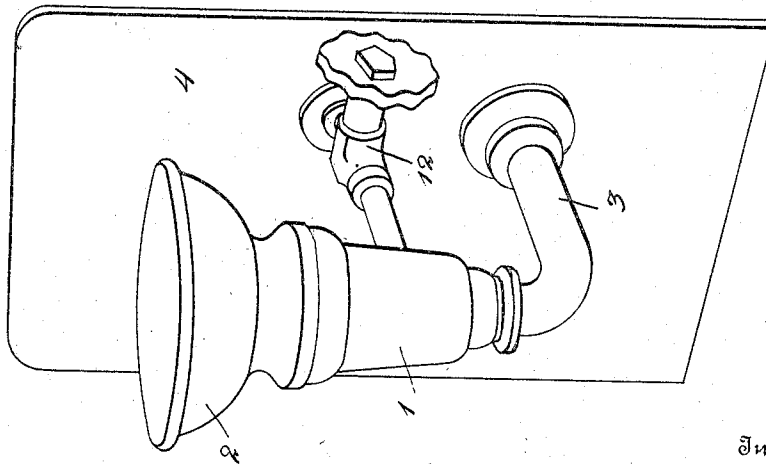


Fig. 1.



Inventor

George B. Stack

By

L. A. Gourick
Attorney

Witnesses

J. Milton Lester.
A. H. Auld

UNITED STATES PATENT OFFICE.

GEORGE B. STACK, OF SACRAMENTO, CALIFORNIA.

PUBLIC DRINKING-FOUNTAIN.

1,016,652.

Specification of Letters Patent.

Patented Feb. 6, 1912.

Application filed June 16, 1911. Serial No. 633,544.

To all whom it may concern:

Be it known that I, GEORGE B. STACK, a citizen of the United States, residing at Sacramento, in the county of Sacramento and State of California, have invented certain new and useful Improvements in Public Drinking-Fountains, of which the following is a specification.

My invention relates to public drinking fountains and has for one of its objects the provision of a regulator valve to control the flow from the mouth piece that is so placed that it cannot be tampered with by mischievous persons.

Another object of my invention is the provision of an improved construction of tubular connections for the purpose stated.

Another object of my invention is the provision of an improved construction of drinking fountain casing.

My invention will be described in detail hereinafter and illustrated in the accompanying drawings in which—

Figure 1 is a view in perspective of one of my improved drinking fountains in place, Fig. 2, a side view partly in section, Fig. 3, a sectional detail of the tubular connection and valve.

In the drawings similar reference characters will be used to designate corresponding parts in the several views.

My improved drinking fountain consists of a tubular standard 1 having a bowl 2 secured to its upper end and a waste connection 3 coupled to its lower end and secured to the wall plate 4. The water pipe is also secured to the plate 4 and extends into the side of standard 1 and coupled to the mouth piece connection by means of elbow 5. The mouth piece connection consists of a pipe 6 interiorly threaded at its two ends, and also exteriorly threaded on its lower end to engage elbow 5.

7 indicates a tubular valve seat engaging the interior threads in the lower end of pipe 6 and having its interior threaded to receive a hollow threaded plug 8 with laterally extending openings 9. The upper end of plug 8 is closed and formed with a transverse groove 10 to receive a screw driver or other suitable instrument (not shown) to turn the plug, it being understood that by screwing the plug down into its seat the size of the openings 9 that will be left open may be restricted as much as

desired to cut off the flow, while by unscrewing the plug the size of the holes may be enlarged. Furthermore as the plug 8 can be turned only by inserting an instrument into the tube from above, and the character of the instrument is controlled by the size of the orifice of the mouth piece, to be hereinafter described, the possibility of the fountain being tampered with by unauthorized persons is extremely remote. The mouth piece consists of a tubular plug 11 engaging the interior threads in the upper end of the pipe 6, the size of the orifice of the tubular plug 11 determining the width of the tool or implement that may be used to turn the plug 8 as hereinbefore stated.

12 indicates a hand controlled valve for turning the water off and on as it is to be used.

In use the plug 8 is set to limit the flow to the stream desired when the hand controlled valve 12 is wide open, and the valve 12 is kept normally closed. When the fountain is to be used the valve 12 is opened and the water flowing from the mouth piece or tubular plug 11 is drunk by catching it in the mouth without necessitating the use of a drinking cup, and without touching the lips to the mouth piece or plug 11. The waste water is caught by the bowl 2 and directed into the standard 1 from whence it flows into the waste water connection 3. When the fountain is not in use the valve 12 is closed, but should it be left open either intentionally or unintentionally the water will be carried off as fast as it flows from the mouth piece.

Having thus described my invention what I claim is—

In a public drinking fountain the combination of a water supply pipe, a tubular mouth piece connection secured to the delivery end of the supply pipe, the ends of said connection being interiorly threaded, a tubular valve seat having exterior threads engaging the threads in the mouth piece connection adjacent to the water supply pipe, the interior of said valve seat also being threaded, a hollow valve having exterior threads engaging the threads in the interior of the valve seat and also provided with laterally extending openings, the upper end of the valve being closed and provided with a groove to receive an implement

for turning it, and a tubular mouth piece
having exterior threads engaging the
threads on the interior of the other end of
the mouth piece connection, the orifice of
5 said mouth piece being restricted and serv-
ing to limit the thickness of the implement
used to adjust the valve plug aforesaid.

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

GEORGE B. STACK.

Witnesses:

EMIL BAYER,

M. S. WAHRHAFTIG.