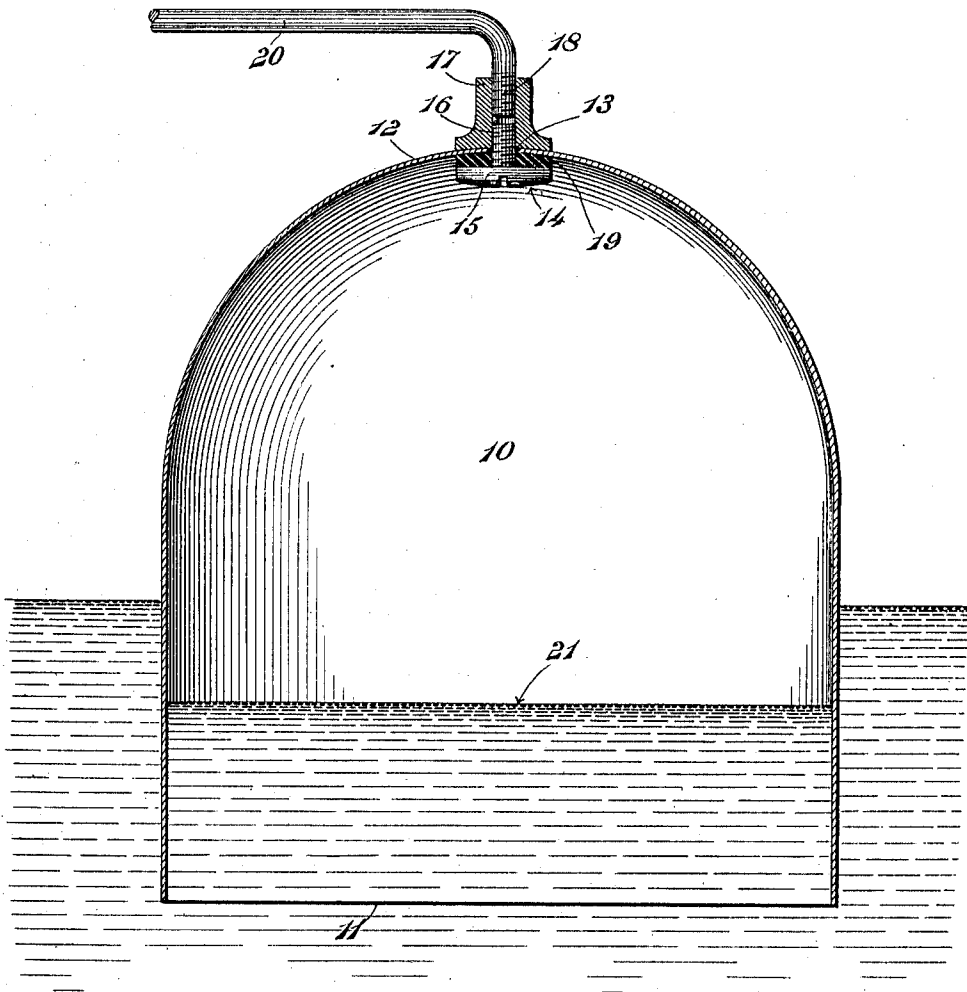


J. T. LYNCH.
FLOAT.
APPLICATION FILED MAY 7, 1910.

982,615.

Patented Jan. 24, 1911.



Witnesses

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JOHN T. LYNCH, OF TOLEDO, OHIO.

FLOAT.

982,615.

Specification of Letters Patent.

Patented Jan. 24, 1911.

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To all whom it may concern:

Be it known that I, JOHN T. LYNCH, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented new and useful Improvements in Floats, of which the following is a specification.

This invention relates to floats for closing the valves of supply pipes or flush tanks, and similar vessels, and the object of the invention is to provide a float of this class constructed of a seamless shell of a bell-shaped formation, the top of which being provided with a small opening adapted for the reception of a rod connecting member, whereby the pressure of air between the water and the open mouth of the float is directed to the said connecting member, and whereby the bending stress upon the rod is effectively eliminated and the life of the rod greatly prolonged.

With the above, and other objects in view, which will be apparent as the description progresses, the invention resides in the novel construction, and arrangement of parts, hereinafter fully described and claimed.

In the accompanying drawing, there has been illustrated a simple and preferred embodiment of the invention, and in which drawing, the figure illustrates a vertical cross sectional view of a float constructed in accordance with the present invention.

In the drawing, the numeral 10 designates the float. This float 10 is constructed of a single piece of material, such as copper or the like, and, as illustrated in the drawing, comprises a substantially bell-shaped member. The float has an opened lower portion or mouth 11 and its top 12 is centrally provided with an opening or perforation 13. The opening 13 is adapted for the reception of the rod securing device 14. This device 14 comprises a headed member 15 having a reduced threaded extension 16, of a size equaling the area of the opening 13.

The numeral 17 designates the nut or female member of the connection. This mem-

ber 17 is provided with a centrally threaded bore 18 and is positioned upon the outer face of the top 12. Positioned between the headed member 15 and the under face of the top 12 is a rubber gasket 19, while connected with the upper threaded bore 18 of the member 17 is the valve actuating rod 20.

When the device is in its operative position within a tank, the water enters the mouth 11 of the bell 10 and rises to about the dotted line 21. The compressed air between the top 12 and the water line 21 is entirely directed to the central portion of the float, or in other words, against the headed member 15. The strain, it will thus be noted, is concentrated upon the said headed member and its gasket 19 and does not tend to strain or bend the operating rod 20.

From the above description, taken in connection with the accompanying drawing, it will be noted that I have provided an extremely simple and thoroughly effective device for the purpose set forth, and it is to be understood that while I have illustrated and described the preferred embodiment of the improvement as it now appears to me, minor details of construction, within the scope of the following claim, may be resorted to, if desired.

Having thus described the invention, what I claim is:

In a device for the purpose set forth, a valve float comprising a bell-shaped member, the top of the said member having a central opening, a headed threaded member engaging the opening, a gasket between the head of the member and the under face of the top, a nut member engaging the projecting threaded portion of the member, and a rod having a threaded offset engaging the nut.

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

JOHN T. LYNCH.

Witnesses:

KATE A. FLOOD,
FRANCIS FLOOD.