No. 881,450. PATENTED MAR. 10, 1908.

F. M. STEVENS.

FLOAT.

APPLICATION FILED AUG. 23, 1907.

Fig 1

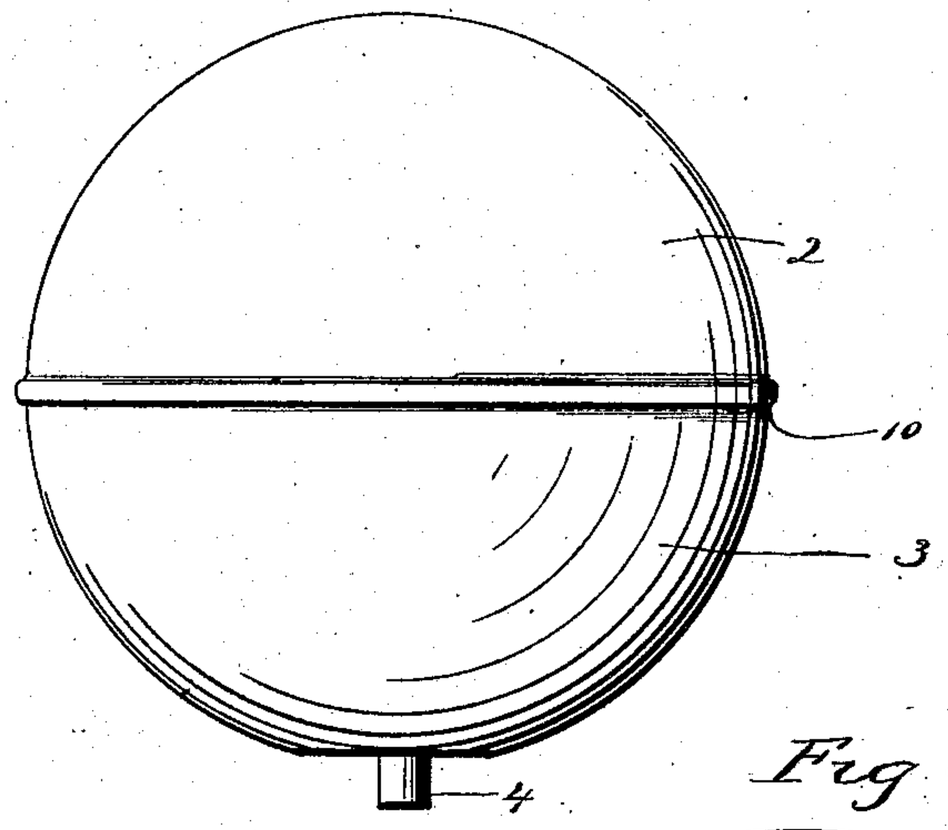


Fig 2

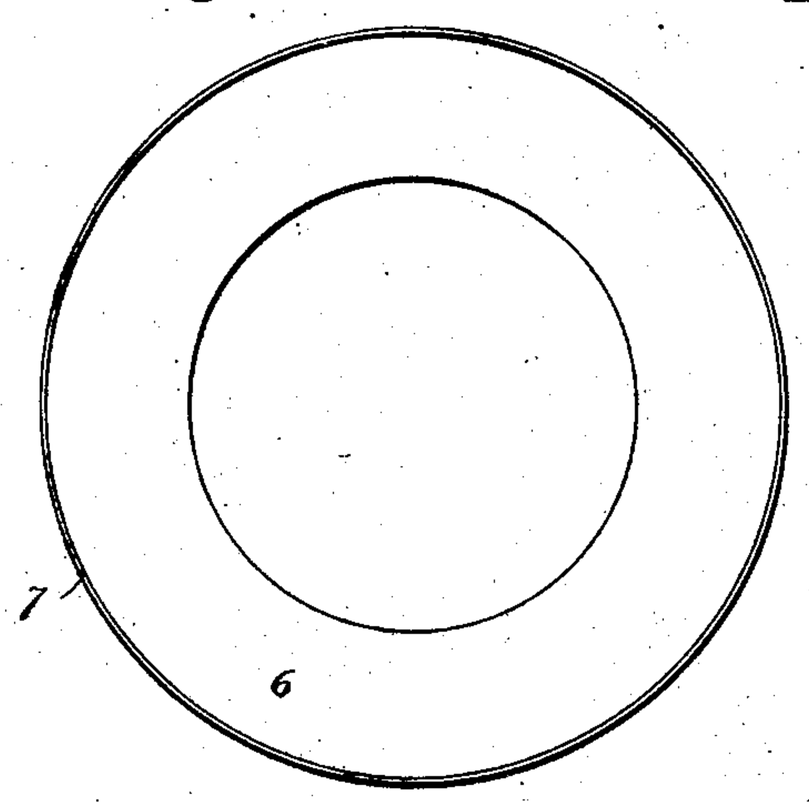


Fig 3

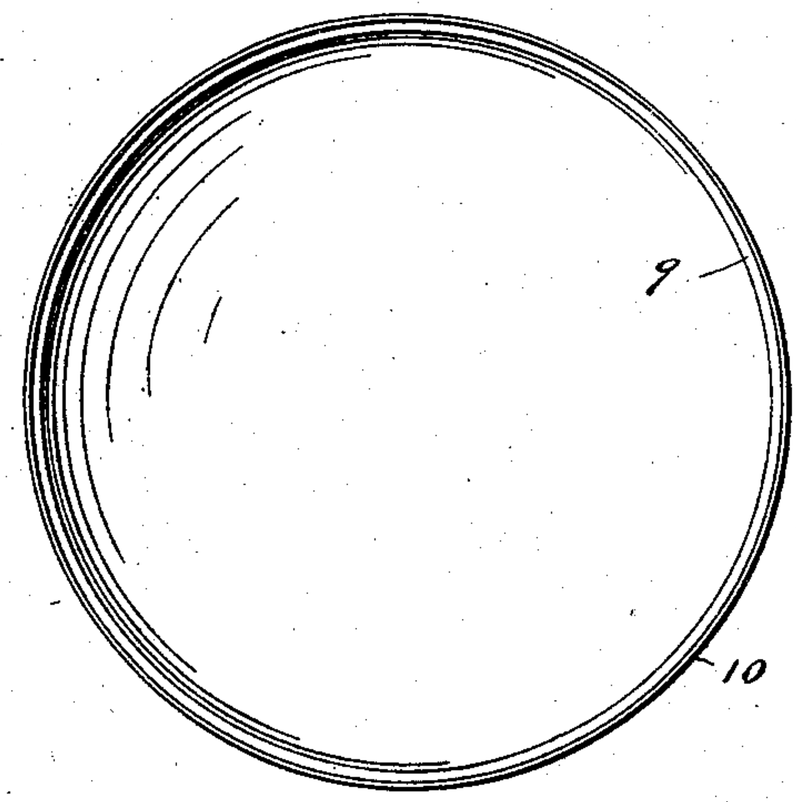
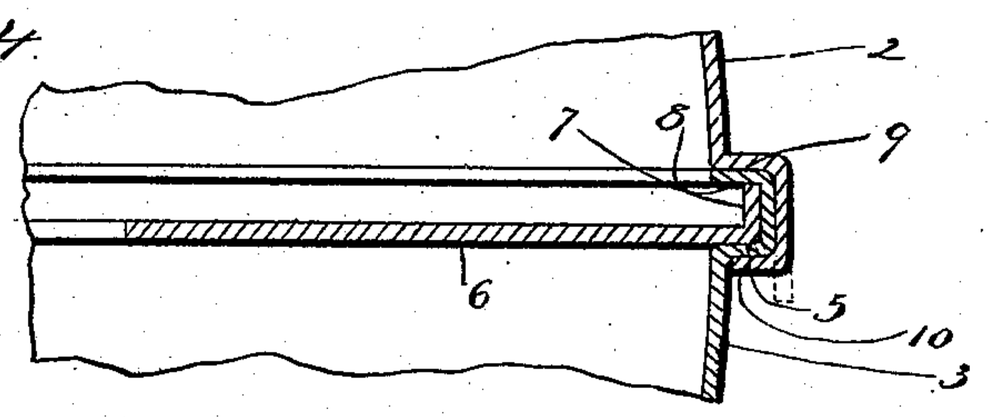


Fig 4



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK M. STEVENS, OF WATERBURY, CONNECTICUT, ASSIGNOR TO SCOVILL MANUFACTURING CO., OF WATERBURY, CONNECTICUT, A CORPORATION.

FLOAT.

No. 881,450. Specification of Letters Patent. Patented March 10, 1908.

Application filed August 23, 1907. Serial No. 389,839.

To all whom it may concern:

Be it known that I, FREDERICK M. STEVENS, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Floats; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1 a side view of a float constructed in accordance with my invention. Fig. 2 a plan view of the reinforcing ring, detached. Fig. 3 a plan or edge view of one of the members adapted to receive said ring. Fig. 4 an enlarged broken sectional view showing the ring interlocked with one of the members, and the two members interlocked with each other.

This invention relates to an improvement in floats, and particularly to metallic floats for use in tanks, such, for instance, as water closet tanks. As more generally constructed these floats are formed from two hemispherical sections which are united together, and as a convenient means for shipping and storage, it is desirable that the members should not be united when manufactured, but left separate for subsequent connection. Furthermore, as more generally constructed when the sections are joined together solder is required to form a tight joint. The object of this invention is to provide floats of this character with a transversely arranged sustaining ring and unite the ring in place and the members together without the use of solder; and the invention consists in the construction hereinafter described and particularly recited in the claims.

As shown in the drawings the float is formed from two hemispherical members which I will designate as the upper member 2 and the lower member 3. These members are struck up from sheet metal and are comparatively thin, and the lower member 3 is provided with the usual spud 4 which may be attached in any desired manner. The edge of the lower member 3 is thrown outward to form a shoulder 5 and seated on this shoulder is a ring 6 of comparatively thin sheet metal formed with an upturned flange 7 and to hold this disk in place the upper edge 8 of the lower member is turned over it so that the disk is interlocked with the lower member. The edge of the upper member 2 is also turned outward forming a shoulder 9 which is adapted to rest upon the inturned edge 8 of the lower member which lower member closely fits within the edge of the upper member. In this form the parts are then in condition for shipment, and when required for use the lower member is inserted within the edge of the upper member and the edge 10 of the upper member turned over the shoulder 5 so as to interlock the two members, and the parts fit so closely that a tight joint is secured, and this final bending of the edge 10 can be made at the time the float is to be put into use. The ring 6 forms a central support or reinforce and prevents collapsing as well as holding the edge of the lower member in place when the edge of the upper member is turned over it.

I claim:—

1. A float comprising two members the edge of one member having an offset seat, a ring located on said seat and formed with an annular flange, the edge of said member turned inward over said flange the edge of the other member offset to receive the edge of the first member and adapted to be turned under the seat of the said first member, substantially as described.

2. A float comprising two members the edge of one member having an offset seat, a ring located on said seat, the edge of said member turned inward over said ring, the edge of the other member offset to receive the edge of the first member and adapted to be turned under the seat of the said first member, substantially as described.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

FREDERICK M. STEVENS.

Witnesses:
G. F. HODGES,
H. B. RIGGS.