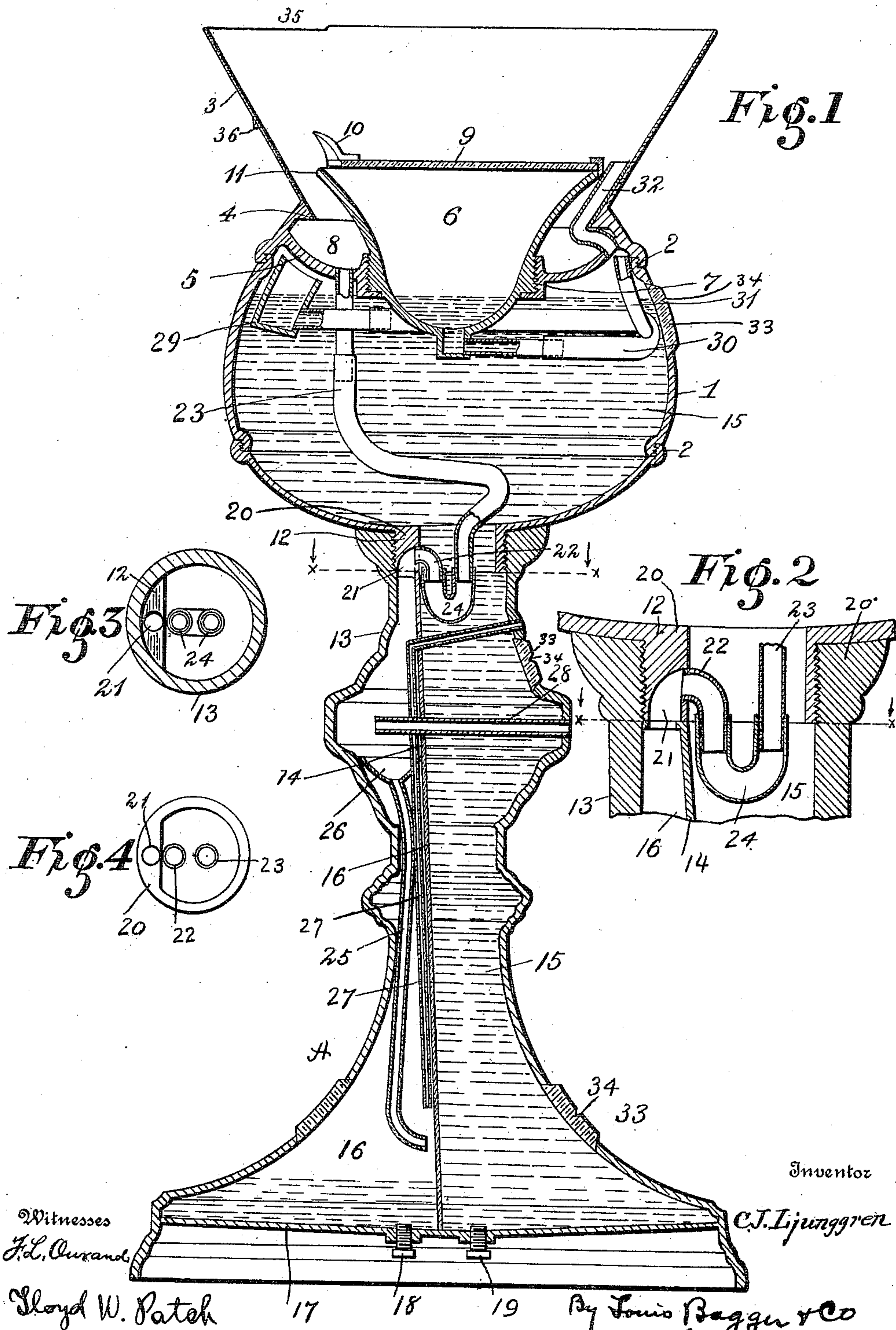


C. J. LJUNGGREN.  
CHALICE.  
APPLICATION FILED OCT. 26, 1908.

994,683.

Patented June 6, 1911.





# UNITED STATES PATENT OFFICE.

CARL J. LJUNGGREN, OF PROVIDENCE, RHODE ISLAND.

## CHALICE.

994,683.

Specification of Letters Patent.

Patented June 6, 1911.

Application filed October 26, 1908. Serial No. 459,589.

*To all whom it may concern:*

Be it known that I, CARL JULIUS LJUNGGREN, subject of the King of Sweden, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Chalices, of which the following is a specification.

My invention relates to an improvement in chalices, and the object is to provide a chalice which is simple in construction and in which the removal and assemblage of the parts can be accomplished without in any wise injuring any of the parts and the simplicity of the construction overcomes all complications of the connection of numerous parts.

A further object is to provide a chalice with an enlarged reservoir for holding the wine by forming a partition in the leg of the chalice, one side of the partition forming a waste chamber, and the other side forming a chamber or receptacle for wine.

The invention consists of certain novel features of construction and combinations of parts which will be hereinafter fully described and pointed out in the claims.

In the accompanying drawings—Figure 1 is a vertical sectional view; Fig. 2 is a detail sectional view showing the connection of the baffle tube with the waste chamber; Fig. 3 is a sectional view on the line  $x-x$  of Fig. 1, and Fig. 4 is an end view of the tubular extension of the bowl or cup.

A, represents the chalice, and 1 is the bowl or cup, which is preferably made in sections and connected together at 2, 2 by screw threaded connections. The upper portion of the cup flares outwardly, as at 3, and at the lower end or beginning of the flared portion a preferably annular ridge or internal bead 4 is formed. Below the annular ridge 4 a flange 5 projects inwardly, and mounted on the flange is the outlet chamber 6. The outlet chamber is supported by the flange 5 and extends through an opening 7 formed in the flange. The outlet chamber and flange are connected together preferably by a screw threaded connection. The flange 5 forms a bottom for the waste pocket 8, the waste pocket being formed between the flange 5 and the ridge 4 to receive the drippings or waste wine from the drinking edge or flaring portion 3. The outlet chamber 6

is provided with a glass closure 9, and a projection 10 is formed over the outlet opening 11.

A tubular extension 12 is formed on the bottom of the cup which has a screw threaded engagement with the leg 13. The partition 14 is formed in the leg and extends vertically thereof. In the cup and on one side of the partition the liquid reservoir 15 is formed, and on the opposite side of the partition a waste chamber 16 is formed. A bottom 17 being formed in the base of the leg 13 forms a bottom for each chamber. Screw plugs 18 and 19 are formed in the bottom 17 for the waste chamber and reservoir, respectively. The partition 14 is inclined to permit the liquid in the leg to pass into the cup when the chalice is tilted.

The extension 12 has a portion of its wall of greater thickness than the remaining portion, the thick portion being represented by the numeral 20, and an opening 21 is formed therein, which leads from the inner wall of the extension to the waste chamber 16 in the leg 13. A tube 22 is received in the opening 21, and connected to the waste pocket 8 is a baffling tube 23, for conducting the waste liquid from the pocket. A coupling 24 connects the baffling tube 23 and tube 22 to permit of the liquid being conducted from the waste pocket to the waste chamber. A tube 25 is provided with a funnel shaped portion 26, which is connected to the wall of the leg and partition 14. This tube extends downwardly from the funnel conducting the liquid to the waste chamber in the base of the leg. An air tube 27 extends through the wall of the leg and partition and through the reservoir 15 down into the waste chamber 16 and below the funnel shaped portion 26, and another air tube 28 extends through the leg and partition into the waste chamber above the funnel shaped portion.

An inlet chamber 29 is received in the reservoir in the cup, and connecting the inlet chamber with the outlet chamber 6 is a baffling tube 30. Connected to the baffling tube 30 is an air tube 31, and the tube 32 extends through the waste pocket and the flange 8 into the reservoir for filling the reservoir with liquid, and also acts as an air vent.

Along the wall of the cup are viewing glasses 33, whereby the contents of the reservoir may be examined to determine the



quantity of liquid remaining in the reservoir. On these viewing glasses are notches 34 which serve as a reference scale.

The upper edge of the drinking cup is cut away, as at 35, in which cut away portion is received an antiseptic pad (not shown), and a projection 36 is formed on the outer surface of the cup for holding the pad in position.

10 Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A chalice comprising a cup, a leg, a partition in the leg forming a waste chamber and a reservoir, said reservoir adapted to discharge its contents onto the drinking edge of the cup, and means for conducting the waste liquid to the waste chamber.

2. A chalice comprising a cup, a leg divided into a waste chamber and a reservoir, an outlet chamber in communication with the reservoir, a waste pocket, and means for conducting the waste liquid from the waste pocket to the waste chamber.

25 3. A chalice comprising a cup, a leg connected thereto, a waste chamber and reservoir formed in the leg, an outlet chamber connected to the reservoir, a waste pocket, means connecting the waste pocket and waste chamber, and an air vent connected to the waste chamber.

4. A chalice comprising a cup, a leg, a partition in the leg forming a waste chamber and a reservoir, an outlet chamber in communication with the reservoir, and means whereby the waste liquid is conducted to the waste chamber.

5. A chalice comprising a cup, a leg divided into compartments, one compartment adapted to receive the liquid to be dispensed, and the other to receive the waste liquid, an outlet chamber, and an inlet chamber connected to the outlet chamber adapted to conduct the liquid from the reservoir to the outlet chamber.

6. A chalice comprising a cup, a leg hav-

ing a waste chamber and a reservoir formed therein, an outlet chamber in communication with the reservoir, a waste pocket, a baffle tube connected to the waste pocket, a tube connected to the waste chamber, and a coupling connecting said last named tube and baffle tube whereby the liquid from the waste pocket is discharged into the waste chamber.

7. A chalice comprising a cup having a tubular extension, a leg connected to the tubular extension, a waste chamber, and a reservoir formed in the leg, said extension having an opening formed therein leading to the waste chamber, a waste pocket, a baffle tube connected to the waste pocket, a tube received in the opening of the tubular extension, and a coupling connected to said tube and baffle tube whereby the liquid from the waste pocket is discharged into the waste chamber.

8. A chalice comprising a cup, a leg connected thereto, a reservoir and a waste chamber formed in the leg, said waste chamber in communication with the cup, an outlet chamber mounted in the cup, an inlet chamber connected to the outlet chamber adapted to conduct the liquid from the cup to the outlet chamber, a waste pocket, means connecting the waste pocket and waste chamber, and viewing glasses in the leg and cup whereby the quantity of liquid in the vessel can be ascertained.

9. A chalice comprising a cup, a leg connected thereto, a waste chamber and reservoir formed in the leg, an outlet chamber, an inlet chamber in the reservoir connected to the outlet chamber for conducting the liquid from the reservoir to the outlet chamber.

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

CARL J. LJUNGGREN.

Witnesses:

C. T. HANNIGAN,  
E. M. SODERSTROM.