

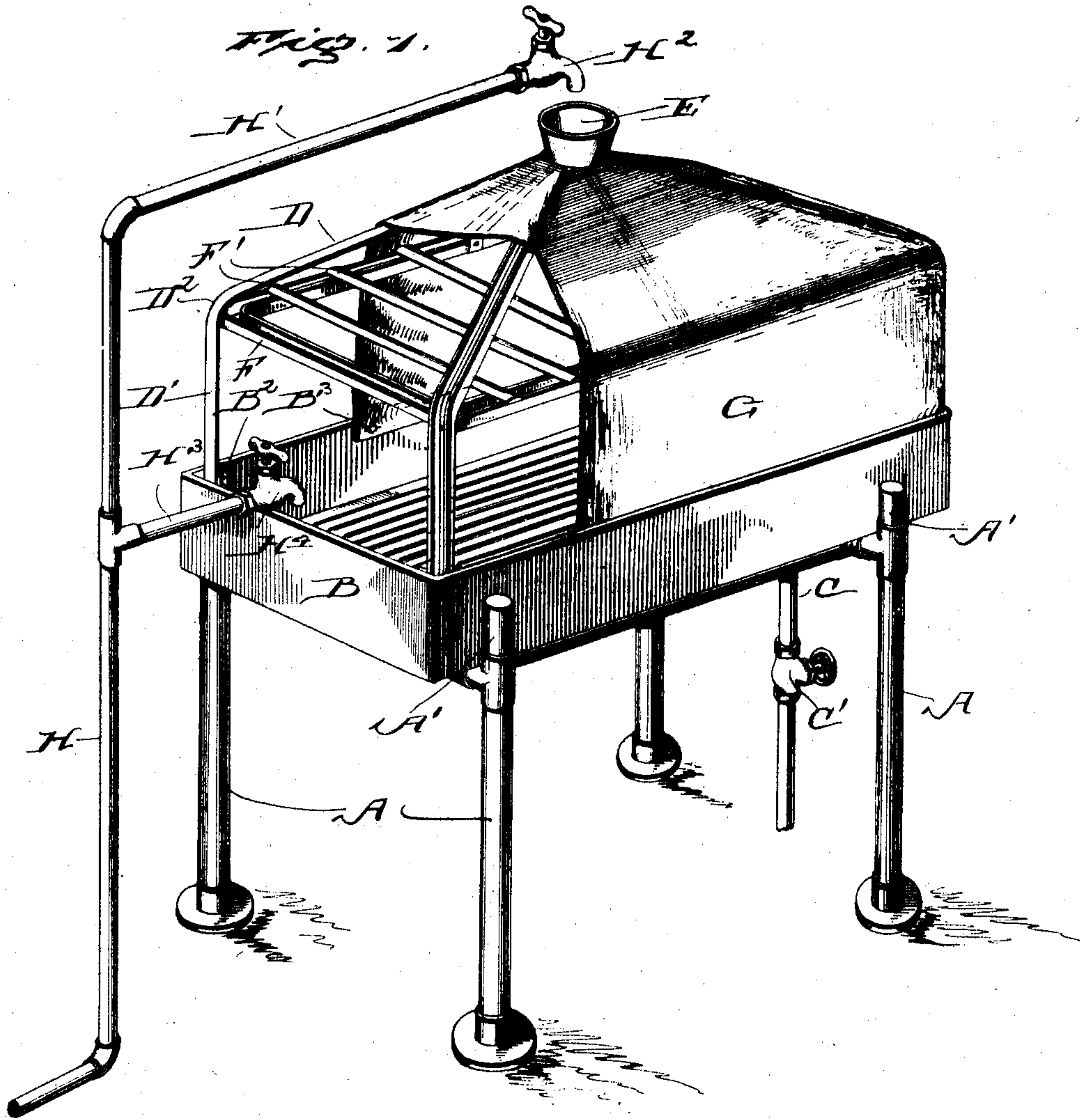
No. 864,650.

PATENTED AUG. 27, 1907.

S. L. JOYNER, JR.  
COOLER.

APPLICATION FILED APR. 9, 1908.

2 SHEETS—SHEET 1.



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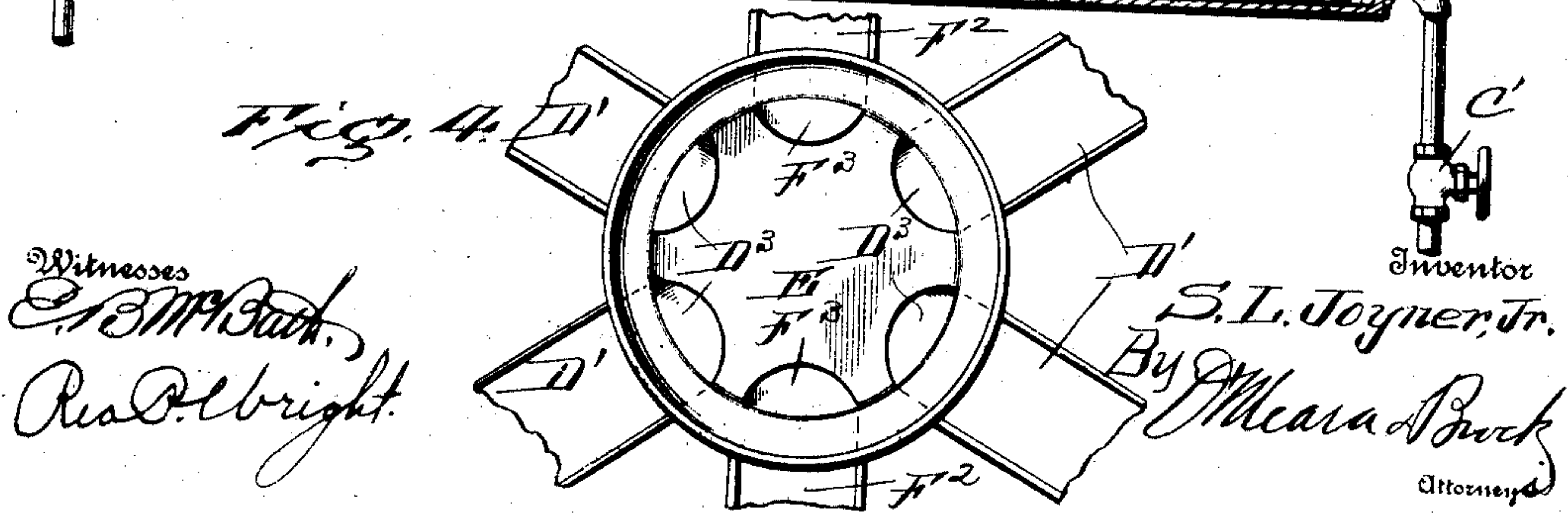
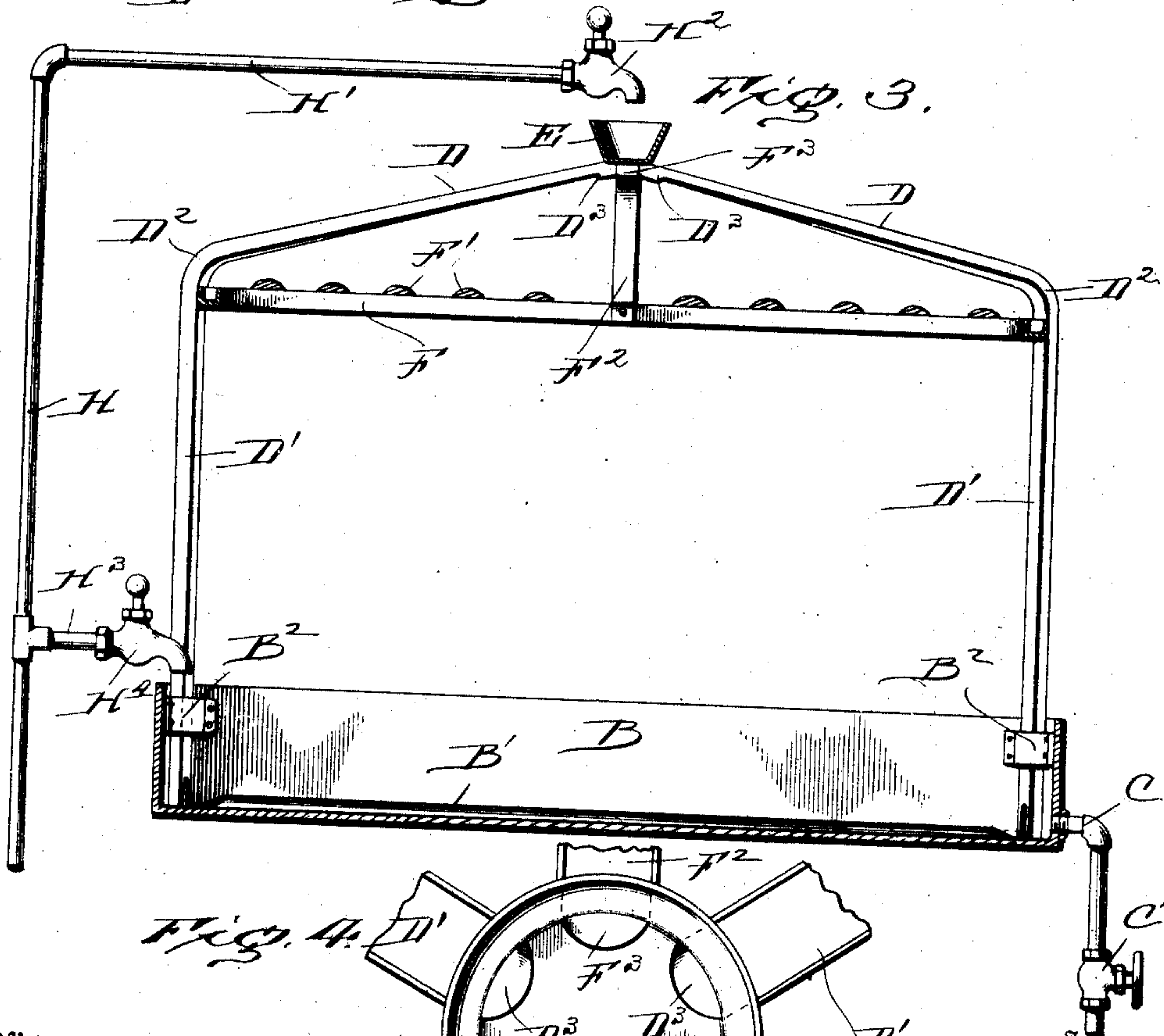
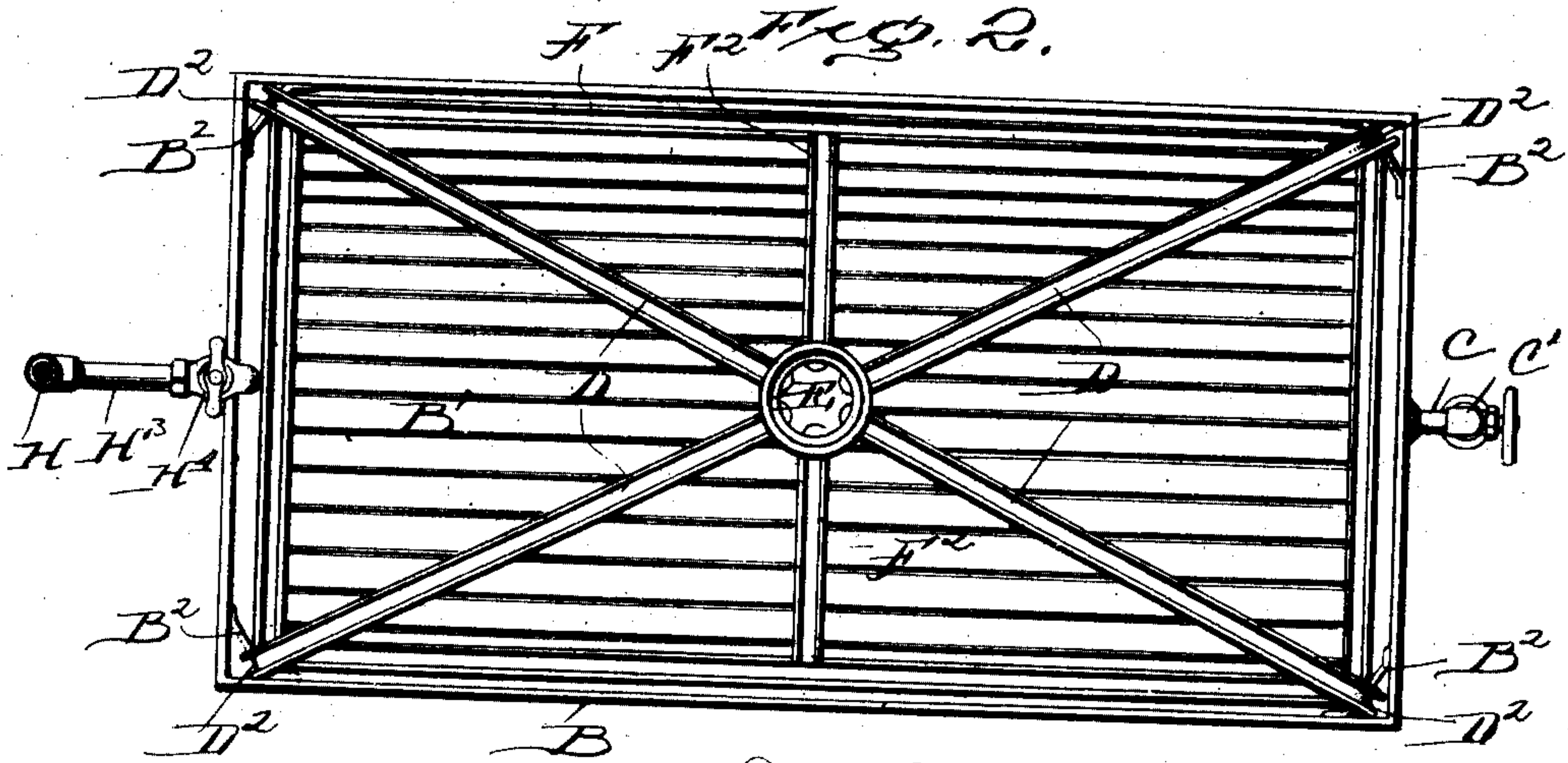
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2 SHEETS—SHEET 2.



Witnesses  
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# UNITED STATES PATENT OFFICE.

SYLL LEE JOYNER, JR., OF WEST MONROE, LOUISIANA.

## COOLER.

No. 864,650.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed April 9, 1906. Serial No. 310,788.

To all whom it may concern:

Be it known that I, SYLL LEE JOYNER, Jr., a citizen of the United States, residing at West Monroe, in the parish of Ouachita and State of Louisiana, have invented a new and useful Improvement in Coolers, of which the following is a specification.

This invention relates generally to coolers and more particularly to milk coolers; the object being to provide a very simple and efficient device whereby cool air can be produced within the cooler by the evaporation of water without the employment of ice.

Another object of my invention is to provide a device so constructed that an even temperature can be obtained at all times, thereby having great advantages over a cooling device using ice.

With these objects in view, the invention consists of the novel features of construction, hereinafter fully described and pointed out in the claims.

In the drawings forming a part of this specification:—  
Figure 1 is a perspective view of the cooler, the cloth being broken away showing the inside of the cooler.  
Fig. 2 is a top plan view of the cooler, with the cloth removed.  
Fig. 3 is a vertical sectional view of the cooler detached from the stand, with the cloth removed.  
Fig. 4 is a detail view of the cup.

In carrying out my invention I employ a stand A, which may be formed of wood but is preferably made of tubing as shown and is provided with upwardly extending members A', between which a tank B, is arranged having an inclined corrugated bottom B', and an outlet pipe C, at the lower end, provided with a valve C'. Sockets B<sup>2</sup>, are arranged in each corner of the tank and the upper inner edge of the tank is provided with spaced buttons B<sup>3</sup>, for the purpose hereinafter described.  
A frame D, is adapted to be arranged in said tank, consisting of grooved ribs D', which are secured in the sockets B<sup>2</sup>, and extend upwardly being bent inwardly and upwardly at D<sup>2</sup>, having enlarged recessed upper ends D<sup>3</sup>, which are adapted to be secured in the spaced opening formed in the bottom of the funnel-shaped cup E. A rectangular grooved frame F, is secured to the ribs D', adjacent the angle portions D<sup>2</sup>, having slats F', arranged thereon and provided with grooved ribs F<sup>2</sup>, connected at oppositely disposed points, provided with enlarged recessed ends F<sup>3</sup>, secured in openings in the bottom of the funnel shaped cup E.

A cloth G, of any material desired is arranged over the

frame D, provided with button-holes around its lower edge, adapted to be secured over the buttons B<sup>3</sup>, and securely hold the cloth in place.

A supply pipe H, extends upwardly to one end of the frame having a pipe H', extending over the frame provided with a faucet H<sup>2</sup>, at its end through which water is adapted to pass into the cup E. A pipe H<sup>3</sup>, extends from the pipe H, into the tank provided with a faucet H<sup>4</sup>, at its end.

The operation is as follows: The can of milk is placed on the corrugated bottom of the tank and the faucets are open which will allow water to enter the tank and pass under the can and at the same time water will enter the cup and pass down the grooved ribs into the tank and rectangular frame which will overflow and keep the cloth wet.

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

1. The combination with a tank, of a frame formed of grooved ribs arranged in said tank forming conduits, a cloth arranged over said frame extending down into said tank and a supply cup secured on the upper end of said ribs, for the purpose described.

2. The combination with a support, of a tank provided with an inclined corrugated bottom mounted thereon, an outlet pipe connected to said tank, a frame provided with grooved ribs mounted in said tank forming conduits, a cloth arranged over said ribs secured to the inside of said tank and a supply cup connected to the upper ends of said ribs, for the purpose described.

3. The combination with a support, of a tank mounted thereon, a frame formed of grooved ribs provided with recessed ends mounted in said tank, a cup secured to said ends of the ribs, a rectangular grooved frame secured to said ribs, grooved ribs provided with recessed ends, connecting said cup to said frame, and a cloth arranged over said frame, for the purpose described.

4. The combination with a support, of a tank having an inclined corrugated bottom, mounted on said support, an outlet pipe connected to said tank, a frame formed of grooved ribs having enlarged recessed ends secured in said tank, a funnel shaped cup provided with spaced openings mounted on the enlarged ends of the ribs, a rectangular frame secured to said ribs, grooved ribs provided with enlarged recessed heads secured in the openings of said cup and connected to said rectangular frame, a cloth arranged over said frame, and a supply pipe leading into said cup and tank, for the purpose described.

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Witnesses:

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