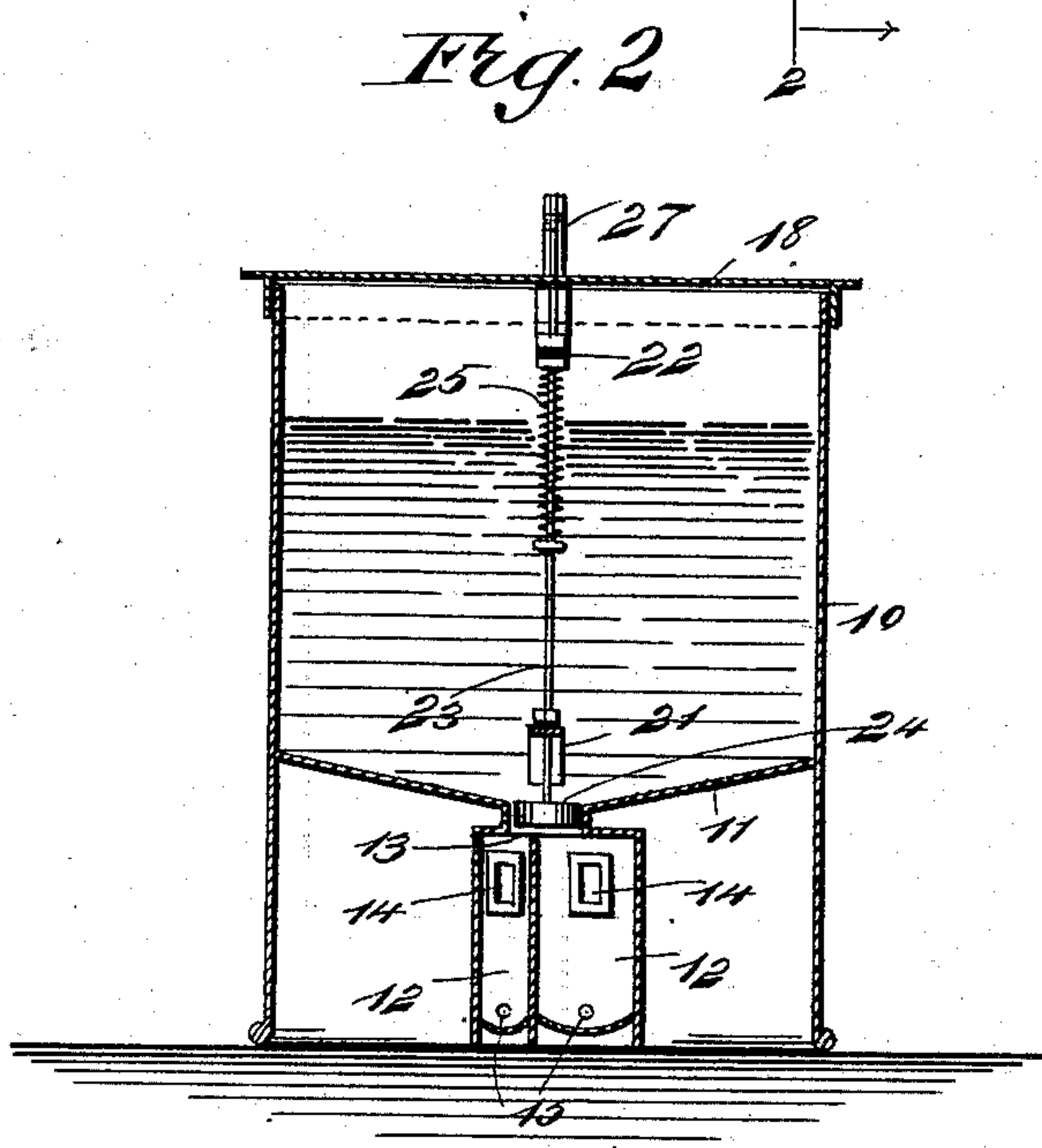
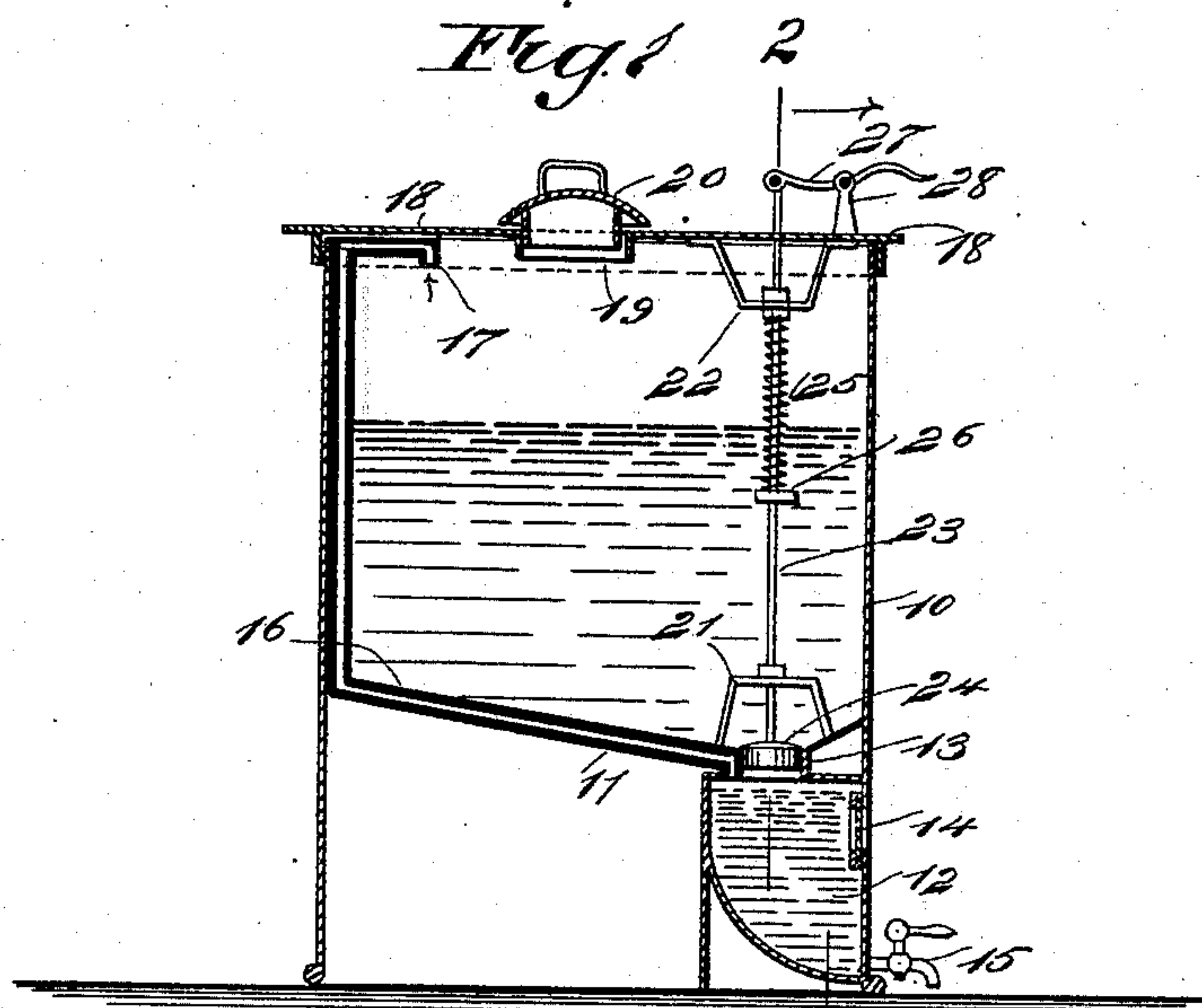


(No Model.)

O. JAMES.  
MEASURING TANK.

No. 524,900.

Patented Aug. 21, 1894.



WITNESSES:

*F. Mc Ardle*

N. B. Hutchinson.

INVENTOR

O. James

BY

BY *Munn & Co*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

OWEN JAMES, OF SCRANTON, PENNSYLVANIA.

## MEASURING-TANK.

SPECIFICATION forming part of Letters Patent No. 524,900, dated August 21, 1894.

Application filed March 16, 1894. Serial No. 503,853. (No model.)

*To all whom it may concern:*

Be it known that I, OWEN JAMES, of Scranton, in the county of Lackawanna and State of Pennsylvania, have invented a new and Improved Measuring-Tank, of which the following is a full, clear, and exact description.

My invention relates to improvements in tanks which are adapted to contain oil, milk, or other liquid which is dispensed at retail, or which it is desirable to measure accurately as it is withdrawn from the tank.

The object of my invention is to produce a tank of this kind, which is very simple in construction, which may be readily cleaned, from which liquid may be conveniently withdrawn, and which is adapted to accurately measure the liquid as it is withdrawn.

To these ends my invention consists of certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in both the views.

Figure 1 is a central vertical section of the tank embodying my invention; and Fig. 2 is a vertical section on the line 2—2 of Fig. 1.

The tank 10, is preferably of metal and it has an inclined bottom 11, which is raised somewhat, as shown in the drawings, and the inclination of which is toward the measuring vessels 12, with which it connects through an opening 13, so that when the valve hereinafter described is raised from the said opening, the vessels 12 immediately fill. These vessels have windows 14, in their front sides near the top, so that one can see whether or not they are full; and opening from the lower end of each vessel is a faucet 15, from which the liquid may be withdrawn.

A pipe 16, leads from each vessel to the upper part of the tank, opening into the latter as shown at 17, and this lets air into the vessels 12, so that the liquid will flow freely from

them. The tank has a removable top 18, to enable it to be conveniently cleaned when necessary, and in this top is an opening 19, closed by a detachable cover 20, and through this opening the tank may be filled.

Above the vessels 12 and in the lower and upper part of the tank are hangers 21 and 22, in which slides the valve stem 23, which projects upward through the top 18 and has at its lower end a valve 24, adapted to fit in and close the opening 13. The valve 24 is normally closed by a spring 25, which encircles the stem 23 below the hanger 22 and pushes down on a collar 26, on the valve stem. The upper end of the stem 23 is pivoted to a hand lever 27, which is fulcrumed on a post 28 on the top 18 of the tank, and by depressing the outer end of this lever the stem and valve may be raised so as to permit the vessels 12 to fill, after which the lever may be released and the spring 25 closes the valve.

It will be of course understood that a greater or less number of vessels 12 may be provided, and that they may be made of any desired capacity. When the vessels are filled, the valve is closed as specified, and the liquid in either vessel may be drawn out through the faucets 15.

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

The improved measuring tank, comprising the tank proper having the inclined bottom and a discharge opening therein, a valve and valve rod, an air vent pipe leading from the discharge opening to the top of the tank chamber on the outer side of the latter and opening into it, and the measuring vessel arranged directly beneath the tank chamber and forming a permanent attachment thereof, as shown and described.

OWEN JAMES.

Witnesses:

S. M. FOSTER,

JOHN L. WILLIAMS.