(No Model.)

E. R. STASCH.

MEASURING VESSEL.

No. 332,297. Patented Dec. 15, 1885.

Fig. 1.

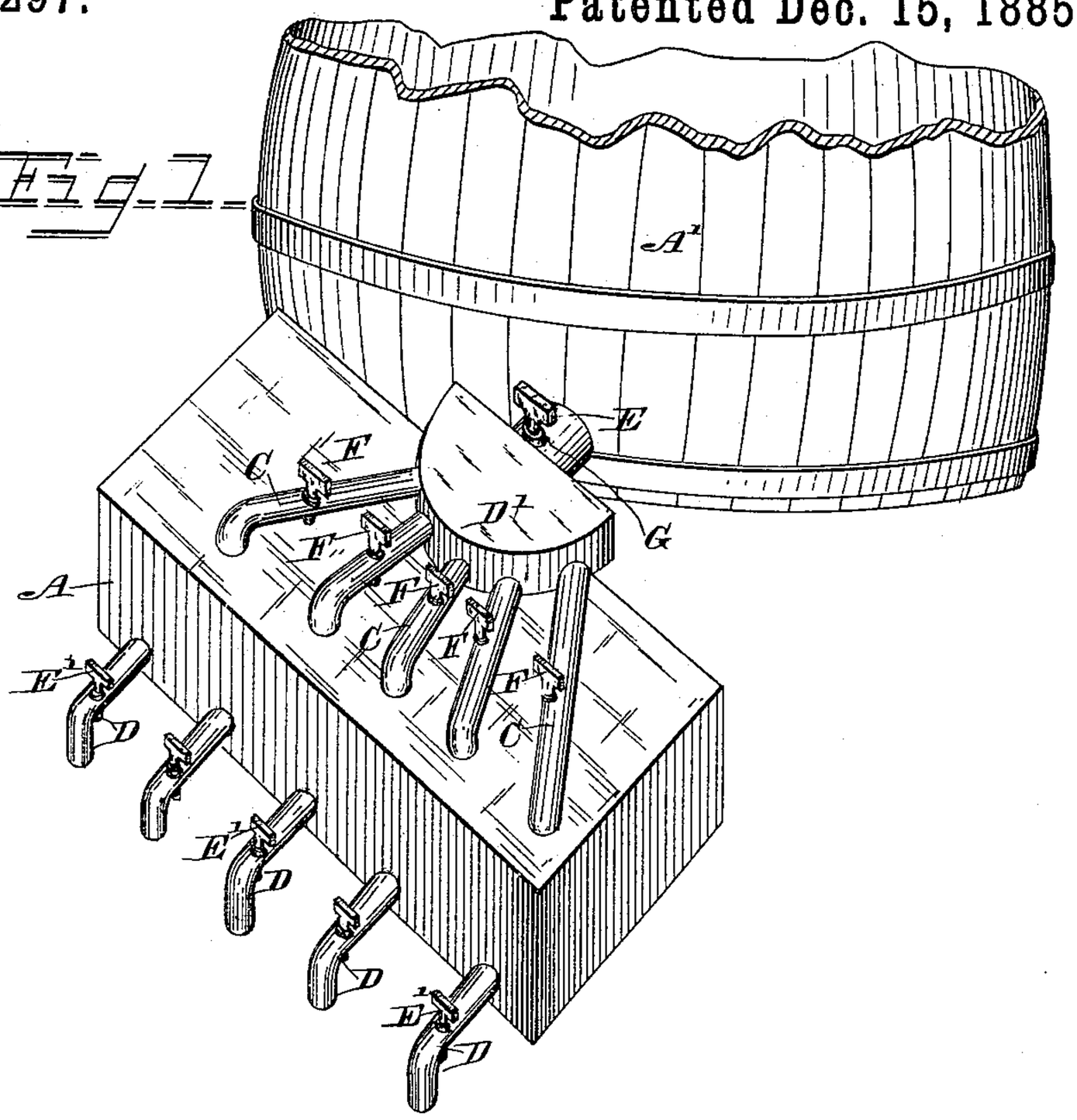
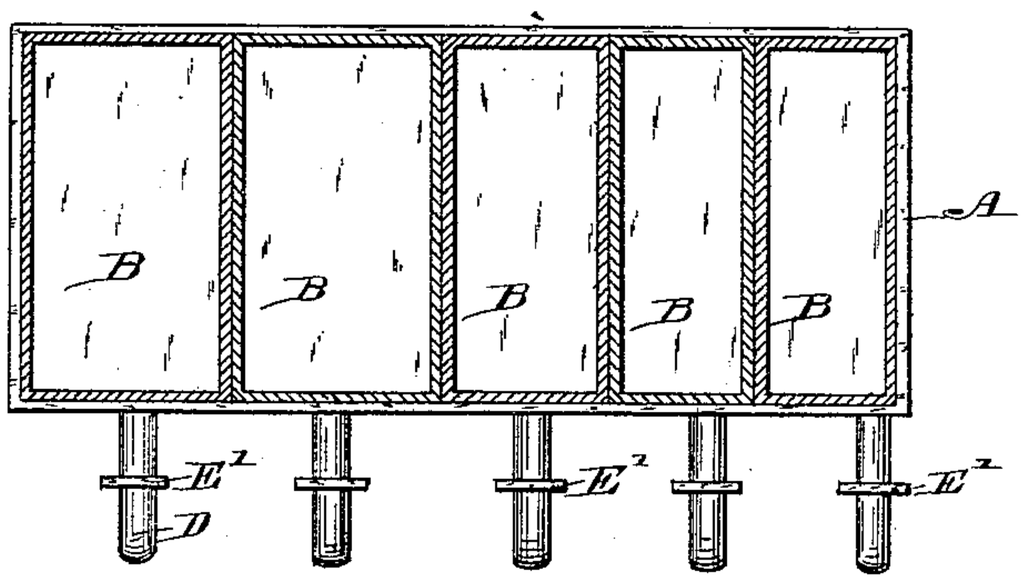


Fig. 2.



WITNESSES.

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MEASURING-VESSEL.

SPECIFICATION forming part of Letters Patent No. 332,297, dated December 15, 1885.

Application filed March 25, 1885. Serial No. 160,068. (No model.)

To all whom it may concern:

Be it known that I, EMIL R. STASCH, a citizen of the United States of America, residing at Corning, in the county of Steuben and State of New York, have invented certain new and useful Improvements in Measuring-Vessels, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in tank-measures for liquids; and it consists in the peculiar construction, combination, and arrangement of the parts to facilitate the operation of measuring oil and other liquids, substantially as hereinafter more fully set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective showing my measurer as applied to a cask of oil or other liquid, and Fig 2 is a horizontal sectional view of the combination measuring-can.

The object of my invention is to introduce to public use a tank-measurer for liquids, more especially oils, to enable specific quantities of such liquids to be removed or transferred from the cask or tank containing it into its intended receptacle without the intervention or manipulation of a fluid-measure for measuring the same, as is at present the custom, thus not only lessening the labor of the operation, but preventing accidental waste of the liquid and greatly abbreviating the time hitherto required in the performance of similar work.

In the construction of my tank-measurer for liquids I provide a rectangular fluid-tight tank, A, divided into several distinct and different-sized apartments of dissimilar size, but adapted to hold such specific quantities of liquid as are set forth or enunciated in the legal tables of liquid-measure of the United States.

When the device is applied to an oil cask or barrel, it may be more convenient to make the larger-sized apartment not to hold over a gallon, and the smaller apartments fractional parts thereof, conforming with the legal tables of liquid-measure; but the larger liquid-measurements may be substituted for the smaller ones when suitable.

In the tank A are arranged a number of measuring-cans, B, (or smaller tanks, it may be) of dissimilar size and holding capacity, each can having connecting therewith and projecting therefrom a feed-pipe, C, leading to and opening into a connecting-reservoir, D′, which reservoir is connected by a main pipe, E, to the tank, cask, or barrel A′, containing the fluid for measurement. The tanks B are each provided with an emptying-pipe, D, having a stop-cock, E′, for admitting the outflow therefrom of the liquid contents thereof, and each of the feed-pipes C is also provided with a stop-cock, F. The stop-cock G is not absolutely essential, but may be employed for shutting off the flow of fluid into reservoir D′ from tank or cask A′ in case of leakage. The reservoir D′ may be made rectangular or semicircular, its object being, as shown, to connect the radiating feed-pipes C with the main pipe E, leading into the principal or containing tank or cask A′.

In measuring out the oil or other liquid, the barrel or vessel to receive the same is placed immediately beneath an emptying-pipe, D, and its stop-cock E′ is then turned on and the contents of the measuring-tank are emptied into its receptacle.

I am aware that it is not broadly new to provide a measuring device composed of different-sized chambers or apartments for the measurement of the liquid, but as heretofore constructed such devices have been found inadequate for the purpose for which my invention is designed—viz., the attachment of a measuring-can containing different-sized chambers, each connected by a pipe provided with a stop-cock to a reservoir which is connected by a main pipe to the tank or barrel containing the liquid to be measured.

Another advantage of my invention is that by applying a stop-cock to the main pipe as well as to each pipe leading from the reservoir, and to each pipe leading from the measuring-cans, the flow of the fluid can be conveniently stopped at almost any point in case of accident or leakage of the fluid either in the main pipe, reservoir, the pipes connecting the reservoir or any of the measuring cans or pipes leading therefrom. As heretofore constructed, measuring-vessels have not been provided with such means, and frequently in case of accident to the containing vessel or pipes

the fluid (in particular oil) in leaking out has caused great damage, and my invention, as above stated, prevents such an occurrence.

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

1. The combination of a measuring-vessel having a series of different-sized measuring-cans, each connected by a separate pipe to a reservoir and provided with a stop-cock, with the main pipe leading from the reservoir to the tank or barrel, substantially as shown and described.

2. In a measuring-vessel, the tank or barrel connected by a main pipe to and in combination with a reservoir, having a series of pipes provided with stop-cocks radiating therefrom and entering the measuring-cans, each of the latter having an emptying-pipe, substantially as shown and described.

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

EMIL R. STASCH.

Witnesses:

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