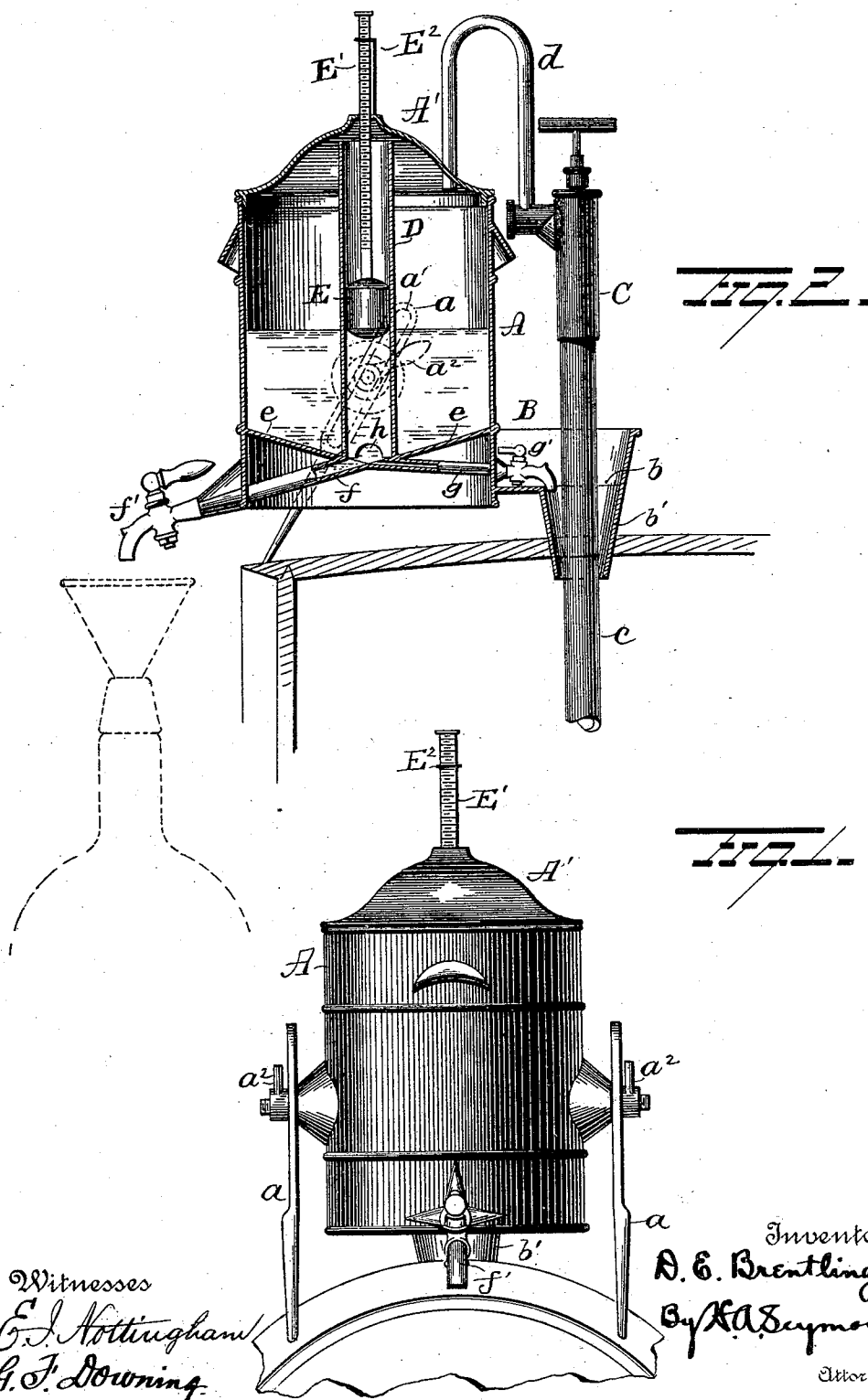


(No Model.)

D. E. BRENTLINGER.
MEASURING DEVICE.

No. 536,716.

Patented Apr. 2, 1895.



Witnesses
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UNITED STATES PATENT OFFICE.

DAVID EDWARD BRENTLINGER, OF GAS CITY, INDIANA, ASSIGNOR OF ONE-HALF TO J. R. WEST, OF SAME PLACE.

MEASURING DEVICE.

SPECIFICATION forming part of Letters Patent No. 536,716, dated April 2, 1895.

Application filed August 1, 1894. Serial No. 519,207. (No model.)

To all whom it may concern:

Be it known that I, DAVID EDWARD BRENTLINGER, a resident of Gas City, in the county of Grant and State of Indiana, have invented certain new and useful Improvements in Measuring Devices; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in measuring devices,—the object of the invention being to produce a device for drawing liquids from a barrel, cask or other device and accurately measuring the same.

A further object is to produce a device for drawing and measuring liquids, which shall be adapted to be adjusted to any barrel, keg or other device and which can be readily removed from one barrel or cask and easily placed on another.

A further object is to produce a measuring device which shall be simple in construction, comparatively cheap to manufacture and which shall be efficient in all respects in the performance of its functions.

With these objects in view the invention consists in certain novel features of construction and combinations and arrangements of parts as hereinafter set forth and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view illustrating my invention. Fig. 2 is a sectional view.

A represents a tank or reservoir, and B a pan secured thereto. The tank or reservoir is supported (adjustably) on the barrel by means of legs *a*, each of which is made with an elongated slot *a'* and secured to the tank by means of a clamp *a''*. The pan B is made with a perforation *b* from which a sleeve *b'* depends and adapted to enter the bung hole of a barrel, keg or other device containing liquid. A pump C is located on the pan B and the tube or pipe *c* of said pump extends through the sleeve *b'* and into the barrel, said tube or pipe being of a diameter less than that of the sleeve so as to permit liquid to flow from the pan B back into the barrel. The pump C is made to communicate with the tank or reservoir A by means of a pipe *d*.

The tank A is made with a cone-shaped bottom *e*, with the lowest point of which a pipe *f* communicates, said pipe extending through the wall of the tank and at its free end is provided with a cock or faucet *f'* whereby to draw off the liquid contents of the tank. A pipe *g* also communicates with the lowest point of the bottom *e* and at its free end is provided with a cock or faucet *g'* by means of which surplus liquid can be run into the pan B, from which it will flow into the barrel as above explained.

A tube D is located centrally within the tank A, said tube being made with openings *h* at its lower end to communicate with the tank at the apex of the bottom *e* thereof, and terminating at its upper end at or near the top of the tank, preferably within the cover A' thereof. A float E is located within the tube D and provided with a graduated stem E', which passes up through the cover A' of the tank and through a guide E² supported by said cover, said guide also constituting an index to register with the graduations on said stem E'.

From the construction and arrangement of parts above set forth it will be seen that when the pump C is operated the liquid will be made to flow from the barrel or keg into the tank or reservoir A and as the latter fills, the float E will rise and the quantity of liquid in the tank will be indicated by the registration of the graduations on the stem E' with the guide or index E².

Should more liquid be pumped into the tank A than is desired, the surplus can be readily drawn off by the cock *g'* and permitted to run back into the barrel. When the tank contains the quantity of liquid desired, it will be drawn off by the cock or faucet *f'*. The bottom *e* of the tank A being funnel-shaped and the pipe *f*, to which the cock or faucet *f'* is connected, communicating with the lowest point thereof, it will be seen that every particle of the liquid in the tank can be readily drawn off and therefore the device is capable of very accurate measurement.

The device is very simple in construction, prevents the waste of liquid, is very accurate in operation and is effectual, in every respect, in the performance of its functions.

Slight changes might be made in the details of construction of my invention without departing from the spirit thereof or limiting its scope and hence I do not wish to limit myself to the precise details of construction herein set forth.

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

1. In a measuring device, the combination with a tank, adjustable legs for one end a pan having a depending funnel adapted to enter the bung of a barrel and serve as a support for the device at that point, and a pump passing down through the funnel and in communication with the tank for pumping the contents of the barrel into the tank and through the funnel, of a pipe for conducting off the contents of the tank and one leading to the pan for drawing off any liquid which may remain in the tank and returning it to the pan, substantially as set forth.

2. In a measuring device, the combination with a tank having a sloping bottom, and pipes leading from the lowest point in the bottom to discharge the contents of the tank and

drain off and return to the barrel any liquid remaining in the tank, of a funnel at one end of the tank adapted to enter the bung hole of a barrel and act as a support at that point, adjustable legs, and a pump extending through the funnel and connected with the tank for discharging the contents of the barrel into the tank, substantially as set forth.

3. In a measuring device, the combination with a tank having a conical bottom and a pan adapted to communicate with a barrel or other device, of a faucet communicating with the apex of the conical bottom whereby to draw off the liquid contents of the tank, and another faucet communicating with the apex of the conical bottom and adapted to discharge into said pan, substantially as set forth.

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

DAVID EDWARD BRENTLINGER.

Witnesses:

GEO. W. VILLARS.

C. A. HERROLD.