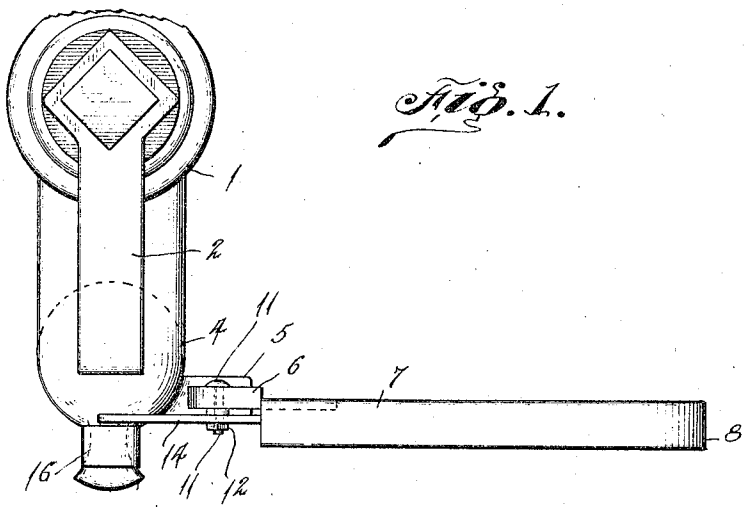
C. L. PHILLIS.

DEVICE FOR INDICATING LIQUID MEASURE.

APPLICATION FILED JAN. 27, 1912.

1,038,951. **Patented Sept. 17, 1912**

Fig. 1.



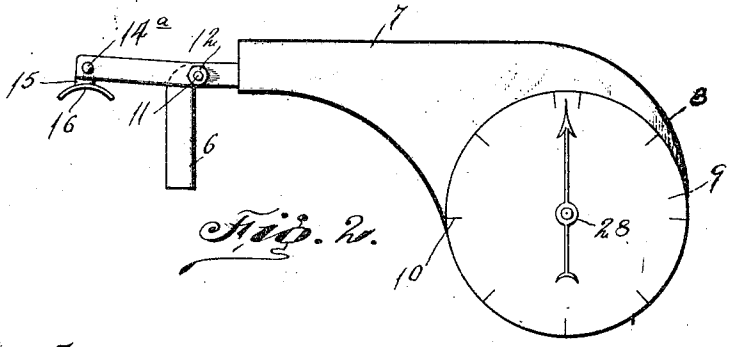


Fig. 2.

Fig. 5.

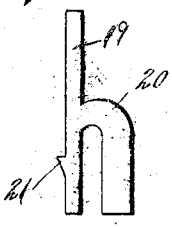


Fig. 3.

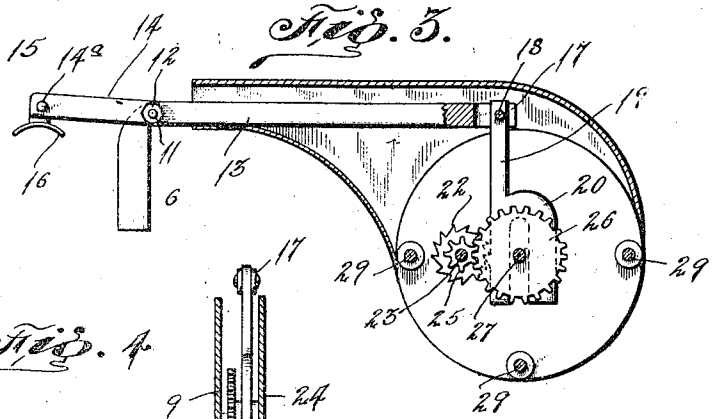


Fig. 4.

WITNESSES:

Jas Gregory

R. H. Butler

INVENTOR.

C. L. Phillis.

BY

A. C. Ewert & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CLARENCE L. PHILLIS, OF MOUNT LEBANON, PENNSYLVANIA.

DEVICE FOR INDICATING LIQUID MEASURE.

1,038,951. Specification of Letters Patent. Patented Sept. 17, 1912.

Application filed January 27, 1912. Serial No. 673,936.

To all whom it may concern:

Be it known that I, CLARENCE L. PHILLIS, a citizen of the United States of America, residing at Mount Lebanon, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Indicating Liquid Measure, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a device for indicating liquid measure, and the primary object of my invention is to provide a device for indicating the number of times a faucet, spigot or other outlet valve has been opened, thereby insuring a correct record of the number of times liquid has been removed from a tank or other receptacle.

Another object of this invention is to provide an indicator adapted to be actuated by the weight of a receptacle suspended from a fulcrumed lever of the device, the lever being arranged whereby a bucket or receptacle can be placed beneath the spigot, faucet or valve of a tank.

I accomplish the above objects by a device that has been particularly designed for large oil tanks carried by wagons and from which the oil is removed by using large buckets of a prescribed quantity. In transferring oil from a portable tank to a stationary tank, it is the practice of the vender of the oil to keep an account of the number of buckets of oil removed solely by memory, and due to interruptions inaccuracies occur whereby a consumer is often charged with one or two buckets more or less than entitled to. The device which I have designed removes all doubt as to the number of buckets of oil removed from the tank and maintains a perfect record. The device can be easily reset after having been used to maintain a record.

The invention will be hereinafter specifically described and then claimed, and reference will now be had to the drawing, wherein like numerals designate corresponding parts throughout the several views, in which:—

Figure 1 is a plan of the device as applied to a faucet. Fig. 2 is a front elevation of a detached device. Fig. 3 is a longitudinal sectional view of the same, Fig. 4 is a cross sectional view of the device, and Fig. 5 is an elevation of a detached actuating member.

The reference numeral 1 denotes a faucet, spigot or other outlet valve having an operating handle 2, and a projection 3, which has been employed heretofore for supporting the bail of a receptacle, as an oil can. The faucet 1 has the spout 4 thereof provided with an apertured extension 5 and detachably mounted in said extension is the depending arm 6 of a flat casing 7 having a circular portion 8 presenting a dial 9 upon one side of the casing, said dial being graduated, as at 10.

Pivotally connected to the arm 6 by a bolt 11 and a nut 12 is a lever 13, and pivotally connected to the short arm 14 of said lever by a rivet 14ª is the lug 15 of a curved holder 16. This holder is positioned above the projection 3 and is adapted to support the bail of a receptacle instead of said projection, said projection limiting the movement of the holder 16. The long arm of the lever 13 extends into the casing 7, as at 17. Pivotally connected to the bifurcated end of the lever 13 by a pin 18 is the upper end 19 of an h-shaped actuating member 20. This member has the long stem thereof provided with a tooth 21 adapted to engage a ratchet wheel 22 mounted upon a shaft 23 revolubly mounted between the dial 9 and the rear wall 24 of the casing 8. Mounted upon the shaft 23 is a small gear wheel 25 meshing with a large gear wheel 26 mounted upon an indicator shaft 27 journaled in the dial 9 and the rear wall 24 of the casing. The member 20 spans the shaft 27, and said shaft has the outer end thereof provided with an indicator or pointer 28 adapted to designate the graduations upon the dial 9.

In order that the parts of the indicator can be assembled, the dial 9 or the rear wall 24 can be detachable and said parts secured together by rivets or other fastening means 29.

When the bail of an oil can or other receptacle is placed upon the holder 16, the weight of the receptacle moves the lever 13, and as the actuating lever 20 is elevated, the shaft 23 is rotated through the medium of the ratchet wheel 22, said shaft imparting a rotary movement to the shaft 27, thereby moving the indicator or pointer 28, which designates upon the dial 9 the number of

times the receptacle has been placed on the holder 16. The indicator can be restored to its normal position by rotating the shaft 27 through the medium of the indicator or pointer 28.

The indicator in its entirety can be made of light and durable metal and used in connection with beer faucets, spigots and the outlet valves of various kinds of liquids.

What I claim is:—

1. The combination with a faucet, of an arm detachably connected thereto, a casing carried by said arm, a lever pivotally connected to said arm and extending into the casing, a pivoted curved holder carried by the outer end of said lever and adapted to support a receptacle beneath the end of said faucet, and an indicating mechanism carried by said casing and adapted to be actuated by said lever to indicate the number of times said receptacle is placed upon said holder.

2. In an indicator, the combination with a faucet, of an arm detachably connected thereto, a casing carried by said arm, a lever pivotally mounted upon said arm and extending into said casing, a pivoted holder carried by the outer end of said arm and adapted to support a receptacle beneath said faucet, an h shaped actuating member pivotally supported by said lever within said casing, and an indicating mechanism carried by said casing and adapted to be actuated by said member to indicate the number of times the receptacle is placed upon said holder.

3. An indicator of the type described comprising an arm, a casing carried thereby, a lever pivotally connected to said arm and extending into said casing, a holder pivotally carried by said holder and adapted to support a receptacle, an h shaped actuating member carried by said lever within said casing, and an indicator shaft adapted to be operated by said member, substantially as described.

4. An indicator of the type described comprising an arm, a casing carried thereby, a lever pivotally connected to said arm and extending into said casing, a pivoted holder carried by said lever and adapted to support a receptacle, an h shaped actuating member carried by said lever within said casing, a ratchet wheel adapted to be actuated by said member, an indicator shaft adapted to be rotated through the medium of said ratchet wheel, and an indicator or pointer carried by said shaft exteriorly of said casing and adapted to indicate the number of times the receptacle is suspended from said holder, substantially as described.

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

CLARENCE L. PHILLIS.

Witnesses:
MAX H. SROLOVITZ,
CHRISTINA T. HOOD.