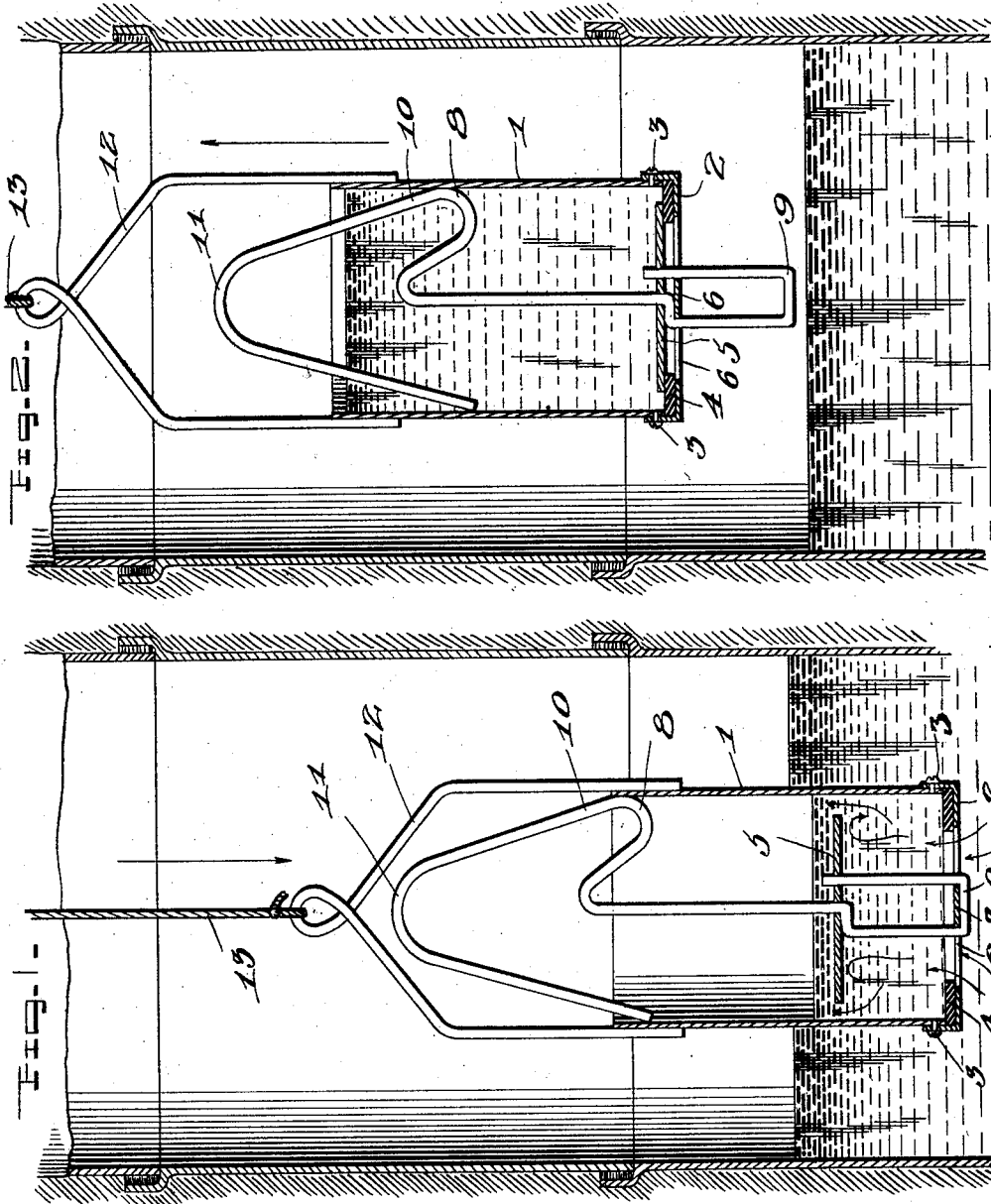


S. S. D. THOMPSON.
WELL BUCKET AND BOTTOM.
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1,058,923.

Patented Apr. 15, 1913.



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UNITED STATES PATENT OFFICE.

SAMUEL S. D. THOMPSON, OF PARAGOULD, ARKANSAS.

WELL-BUCKET AND BOTTOM.

1,058,923.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, SAMUEL S. D. THOMPSON, a citizen of the United States, residing at Paragould, in the county of Green and State of Arkansas, have invented certain new and useful Improvements in Well-Buckets and Bottoms, of which the following is a specification.

My invention has relation to new and useful improvements in well buckets and bottoms, and the main object thereof is to produce a bucket of this character that will be adapted to receive water from the bottom thereof and one which may also dispose of its water through said bottom.

Another object of my invention is to provide a valve in the bottom of said bucket, that is water tight when in closed position and one which is guided by suitable means when assuming an open position and held against sidewise movement by said means while in such open or raised position.

A further object of my invention is to provide a well bucket bottom including a washer, valve and means for guiding said valve, which is made separate and distinct from the body portion of said bucket and may be removed therefrom at will and replaced by a new bottom, washer and valve. I do this for the reason that the body of a well bucket will out-wear about two of said bottoms together with valves. Also my well bucket bottom with valves may be applied to old buckets which are practically worn out thereby saving the purchaser about one half the price of a new bucket. Thereby it will be readily seen that I have produced a well bucket and bottom that is cheap as to cost, efficient in operation, and one which is durable as to wear and tear.

I attain the above objects by virtue of the construction of my invention, which construction is illustrated in the accompanying drawings, in which—

Figure 1, is a vertical sectional view of a bucket, the valve thereof in raised or elevated position. Fig. 2, is a vertical sectional view of my well bucket, the valve thereof being in lowered position, said bucket having been filled with water and in readiness to be raised to the surface.

Referring more particularly to the drawings, in which like numerals designate like parts throughout, my invention is described as follows:—The body portion 1, of the bucket is made cylindrical in shape being

provided at its lower end with a removable bottom 2, which is held to said body portion 1, by means of solder or brads and solder both. Interposed between the lower edge of the body portion 1, and the upper face of said bottom 2, is a perforated washer 4, upon which washer rests the outer edge of the valve 5, when the valve is in lowered or closed position. Said body is provided with one or two openings 6, therein, leaving a strip of metal 7, therebetween, which strip is integral with said bottom. A wire 8, passes through said valve 5, when it is bent into a rectangular portion 9, which portion passes around the strip of metal 7, the end of said rectangular portion 9, terminating just above the valve 5. The upper portion of the wire 8, first extends directly upward when it is bent downward at an angle forming a loop 10. It then extends slantingly upward from the loop 10, forming a loop 11, the extreme end of which contacts the inner wall of the body portion 1. The loop 11, when the valve is in closed position, extends several inches above the upper edge of the bucket, whereby the operator may grasp the same easily. The wire is made in this shape to form a guiding means for the valve, so that said valve will be held at all times in a horizontal position. Another object in making the upper portion of the wire in this shape is to adapt it to be readily gripped by the hand when it is desired to raise the valve 5, into the position illustrated in Fig. 1.

My bucket is provided with a hoop or handle 12, which is secured to the outer wall of the body portion 1, in any suitable manner adapted for the purpose, said handle having secured thereto a rope 13, for the purpose of elevating or lowering said bucket.

Although I have fully described the specific combination of my invention yet I reserve and may exercise the right to make such changes that do not depart from the spirit of the specification and the scope of the claims hereunto appended.

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

1. A well bucket comprising a cylinder open at one end and closed at the opposite end by means of a circular bottom, said bottom provided with an upturned integral annular flange, said bottom secured to the cylinder by means of brads or rivets, said bottom further provided with openings sepa-

- rated by an integral strip, said strips embraced by the lower end of a wire bent into a rectangular shape, the upper end of said wire being so bent as to contact with the
- 5 inner wall of the cylinder at diametrically opposite points, said lower rectangular portion of the wire supporting a valve to work in conjunction with the openings in said bottom.
- 10 2. In a device of the kind described comprising a body-portion and a removable bottom, said bottom provided with one or two openings leaving a metallic strip, of a valve, a wire extending through the central portion
- 15 of the valve being rectangular in shape and encircling the metallic strip of the bottom, the upper portion extending vertically upward, then slanting downward forming a loop, which loop contacts one side of the inner surface of the body portion, said wire then extending slantingly upward forming a second loop, the extreme end of the second loop contacting the opposite side of the inner surface of the body portion that the first loop contacts, the second loop extending several inches above the top edge of the body portion when the valve is in normal or closed position.
- In testimony whereof I affix my signature in presence of two witnesses.
- SAMUEL S. D. THOMPSON.
- Witnesses:
J. L. THOMPSON,
B. B. THOMPSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."