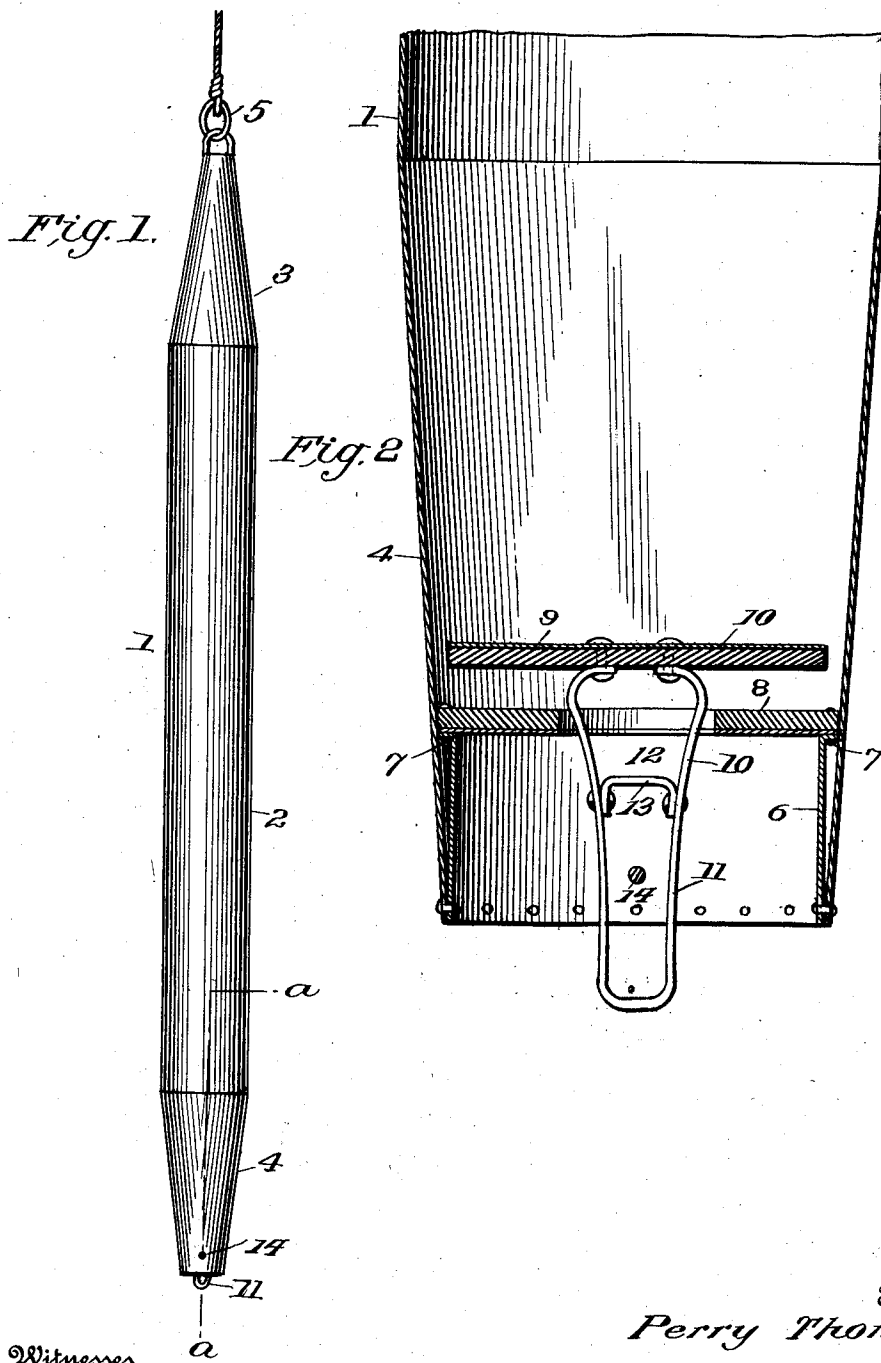


P. THOMAS.
WELL BUCKET.

APPLICATION FILED OCT. 17, 1910.

997,476.

Patented July 11, 1911.



Witnesses

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PERRY THOMAS, OF SILVERTON, TEXAS.

WELL-BUCKET.

997,476.

Specification of Letters Patent.

Patented July 11, 1911.

Application filed October 17, 1910. Serial No. 587,577.

To all whom it may concern:

Be it known that I, PERRY THOMAS, a citizen of the United States, residing at Silver-
ton, in the county of Briscoe and State of
5 Texas, have invented certain new and useful
Improvements in Well-Buckets; 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
10 to which it appertains to make and use the
same.

This invention relates to new and useful
improvements in buckets, and more particu-
larly to that class most commonly known as
15 well buckets.

An object of this invention is to provide
a device of this class provided with a valve
of such construction that when the same is
lowered into the well fluid will be ad-
mitted therein, and when the same is with-
20 drawn the said fluid will be retained against
spilling.

Another object of this invention is the
provision of a bucket comprising a cylin-
25 drical shaped casing, provided with oppo-
sitely tapered ends, one of which is provided
with a valve, the same, when the bucket is
lowered into the well, adapted to contact
with the bottom thereof and admit fluid into
30 the bucket, the said valve closing as the
bucket is removed from the well by the pres-
sure of the fluid thereon and retaining the
same against removal from the said bucket.

A further object of this invention is to
35 improve and simplify devices of this charac-
ter, rendering them simple in construction,
comparatively cheap to manufacture, reli-
able and efficient in use and readily operated.

With the above and other objects in view
40 this invention resides in the novel features
of construction, formations, combinations
and arrangements of parts to be hereinafter
more particularly described, claimed and
illustrated in the accompanying drawings, in
45 which—

Figure 1 is a side elevation of my im-
proved bucket, and Fig. 2 is a vertical sectional
view therethrough, taken on the line
a—a of Fig. 1.

50 Referring to the drawings by characters
of reference, the numeral 1 designates gen-
erally my improved bucket, comprising a
substantially cylindrical member 2, provided
at its ends with oppositely tapered extensions

3 and 4, the upper end of which carries a 55
ring 5, to which any suitable suspending
means may be attached. The opposite tapered
end of the bucket has secured thereto
a cylindrical sleeve 6, provided at its upper
end with a horizontal flange 7 adapted to 60
contact with the inner face of the tapered
end 4 and serve to reinforce the same. An
apertured plate 8 is riveted, or otherwise se-
cured, to this flange 7, together with a valve
seat of any desired flexible material for the 65
reception of a valve 9, reinforced, as at 10,
by a suitable metal plate, and provided upon
its lower face with a valve stem 11, compris-
ing a substantially inverted U-shaped mem-
ber 12, the opposite sides of which are con- 70
nected by a suitable brace 13. In order to
prevent the total displacement of the valve
from the valve seat, a pin 14 connects the
opposite sides of the cylindrical sleeve 6 and
passes through the opposite legs of the 75
U-shaped valve stem.

From the foregoing disclosure it will be
manifest that as the bucket is lowered into
the well, the valve stem, which extends be-
low the lowest extremity of the bucket, will 80
obviously contact with the bottom of the
well, raising the same and permitting the
fluid to enter the receptacle, and as the re-
ceptacle is withdrawn from the well the
pressure of the fluid contained within the 85
said bucket will force the valve against the
seat and retain the fluid therein.

Having thus fully described this inven-
tion, what I claim as new and desire to se-
cure by Letters Patent is: 90

1. A well bucket such as described com-
prising a tubular member having oppositely
tapered ends, suspending means secured to
one end thereof, a sleeve located in the op-
posite end of the said bucket, a flange upon the 95
said sleeve engaging the end of the bucket, a
reinforced valve seat secured to the flange, a
valve engaging the said seat, and means for
operating the valve and retaining the same
against total displacement from the bucket. 100

2. In a well bucket such as described the
combination with a tubular member having
oppositely tapered ends, supporting means
secured to one end thereof, a sleeve located
in the opposite end of the said bucket, a 105
flange upon the said sleeve engaging the
end of the bucket, a valve seat supported by
the flange, a valve engaging the said seat,

provided with a substantially U-shaped stem
adapted to operate vertically within the
sleeve and unseat the valve by its contact
with the bottom of a well, or the like, and
5 means for limiting the movement of the
valve, substantially as and for the purpose
set forth.

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

PERRY THOMAS.

Witnesses:

R. B. BRALY,
HILLON R. BRALY.

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