

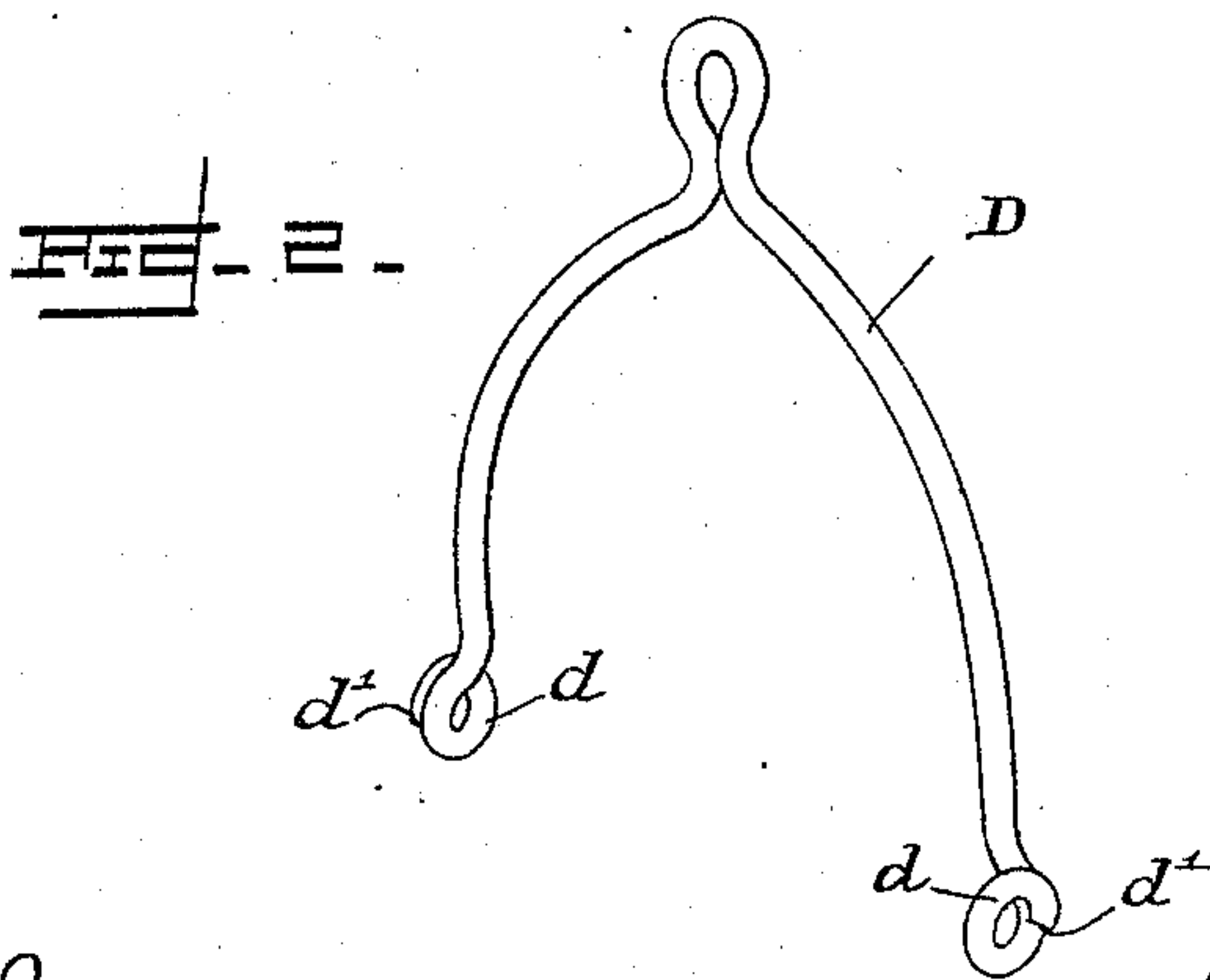
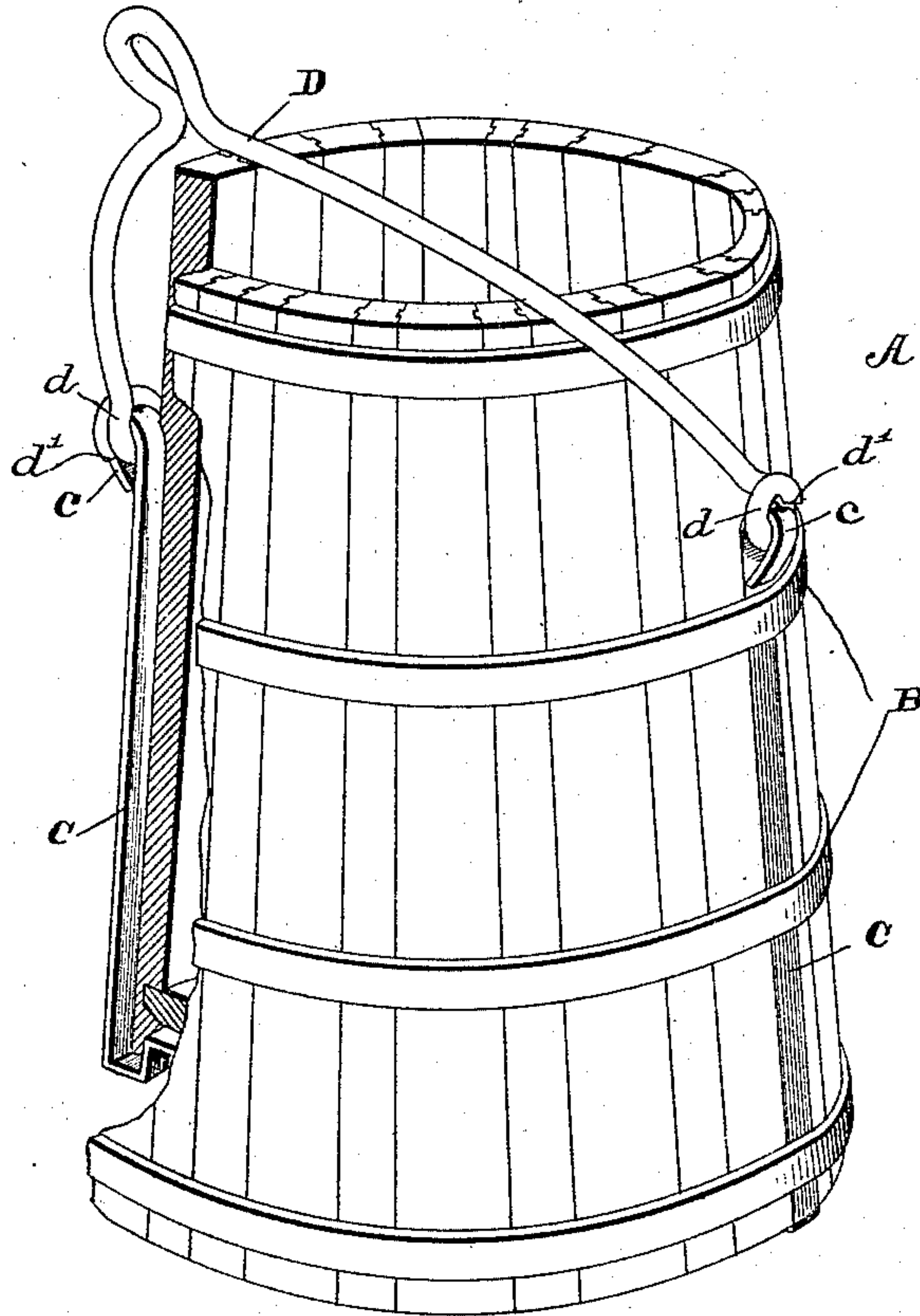
(No Model.)

A. C. BURGESS.  
BAIL.

No. 470,391.

Patented Mar. 8, 1892.

FIG. 1.



Witnesses

*E. S. Duwall* for By his Attorneys,  
*D. P. Holthaus*

Inventor

*Alfred C. Burgess.*

*C. A. Snow & Co.*

# UNITED STATES PATENT OFFICE.

ALFRED C. BURGESS, OF GREENSBOROUGH, NORTH CAROLINA, ASSIGNOR  
OF ONE-HALF TO HENRIETTA V. BURGESS, OF SAME PLACE.

## BAIL.

SPECIFICATION forming part of Letters Patent No. 470,391, dated March 8, 1892.

Application filed August 6, 1891. Serial No. 401,935. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED C. BURGESS, a citizen of the United States, residing at Greensborough, in the county of Guilford and State of North Carolina, have invented a new and useful Bail, of which the following is a specification.

My invention relates to bails for well-buckets; and it has for its object to provide a bail that will be so constructed and arranged upon the ordinary well-bucket that the same will be utilized as a sinker for sinking the bucket when lowered to the water, and thus avoid the necessity of using unsightly weights to sink the bucket. The great disadvantage of the ordinary well-bucket having to use weights tied to the bail or bucket is that the bucket must be raised and lowered from one to a dozen times, with great damage to both bucket and rope in filling the bucket with water, as well as churning and stirring up any mud or other impurities that may have settled in the well; and a further disadvantage of the old style having weights is that additional weight besides that of the water and bucket has to be drawn up, and such additional weights frequently catch in the curbs or walls of the well, thus spilling the water and often getting loose and dropping back into the water to rust.

With these objects in view my improvement consists in providing a weighted or extra heavy iron bail similar to the ordinary bail now in use and provided with hooks having oppositely-disposed stops engaging the strap-ears of the bucket, and constructed and arranged to tilt and sink the bucket promptly, in a manner hereinafter more fully described, illustrated in the accompanying drawings, and specifically pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a perspective view, partly in section, of a well-bucket provided with a bail constructed in accordance with my invention. Fig. 2 is a detail in perspective of a bail for well-buckets constructed in accordance with my invention.

Referring to the accompanying drawings by letter, A designates a well-bucket constructed in the ordinary manner of the usual vertical tongue-and-groove strips and encircled by the ordinary hoops B. The said bucket is also

provided with the ordinary ear-strap C, diametrically crossing the bottom of the bucket and extending up the sides thereof flush with the same, and terminates in the ordinary loops or ears c.

The bail D is constructed of iron and is made in the same approximate shape as the ordinary bails, but is formed heavier than usual to do away with the use of the usual sinkers. The said bail is spirally coiled at each end to form the loops d, adapted to engage the ears of said ear-strap, the said ends being coiled in a reverse or opposite direction to each other to form the oppositely-disposed ends d', forming stops which limit the movement of the bail to either side of the bucket by abutting against the ears of the strap C, thus providing means whereby the bail is stopped at any suitable angle—preferably about forty-five degrees—which will cause the bucket to tilt and sink promptly, and the stops being oppositely disposed the bucket will sink from either side, according to the direction in which the same may turn or drop.

The construction and operation of this improvement are now thought to be apparent. The herein-described bail is not necessarily limited for use upon the well-bucket described, for the same may be advantageously and readily attached to any style of bucket and can be connected to any hook, staple, or other arrangement for attaching bails to buckets.

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

The combination, with a well-bucket and the ears thereof, of a bail having the opposite reversely and spirally coiled loops terminating in oppositely-disposed ends forming stops adapted to engage said ears, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ALFRED C. BURGESS.

Witnesses:

REV. MURRAY,  
W. F. BOGART.