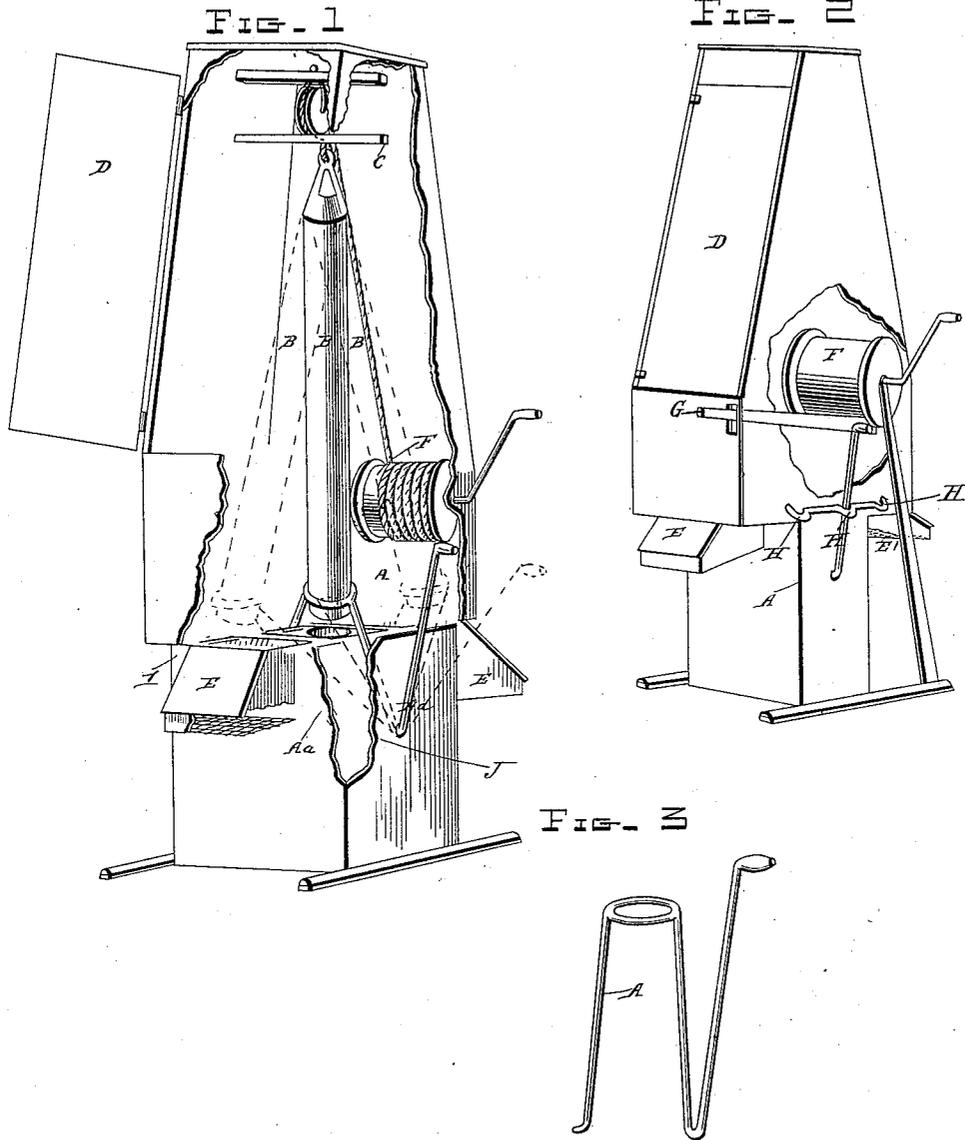


(No Model.)

A. A. JAMES.  
WELL CURB.

No. 606,150.

Patented June 21, 1898.



Inventor  
Albert A. James.

Witnesses  
D. de J. ...  
G. H. ... by A. B. ...  
Attorneys

# UNITED STATES PATENT OFFICE.

ALBERT ARTHUR JAMES, OF TECUMSEH, OKLAHOMA TERRITORY.

## WELL-CURB.

SPECIFICATION forming part of Letters Patent No. 606,150, dated June 21, 1898.

Application filed May 22, 1897. Serial No. 637,749. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT ARTHUR JAMES, a citizen of the United States, residing at the town of Tecumseh, in the county of Pottawatomie and Territory of Oklahoma, have invented a new and useful Well-Curb, of which the following is a specification.

My invention relates to improvements in well-curbs in which the mouth or opening of the well is securely covered and inclosed by a curb with a perpendicular extension above the well, so that insects and other objects are prevented from entering therein, said curb having a windlass journaled therein on which a rope, cord, or chain is wound and unwound in lowering a bucket into the well to receive and draw the water therefrom, said curbing also having a bowed bucket-guide journaled therein, with which to guide the bucket when used in drawing the water and to shift the bucket to the exit-spouts of the said well-curb for discharging the water from the bucket into said spouts, from which the water is discharged out of the curb, said spouts being a part of said curb and having the mouth or exits thereof covered with strainer or net wire, said windlass and bucket-guide each having a handle on the outer side of the curb, with which to operate same when used in drawing water from said well.

The objects of my improvement are, first, to provide a well-curb which incloses or covers the mouth or the opening of the well, so that insects and other objects are prevented from entering the well; second, to afford facilities for drawing water from said well by use of a windlass journaled within said curb on which to wind and unwind a rope, cord, or chain in lowering a bucket into a well to fill with water and to draw same therefrom without opening said curb or frame; third, to afford means of guiding said bucket into the mouth of well and to shift same to exit-spouts arranged on opposite sides of the curb by use of a bowed bucket-guide with collar to fit around bucket, which guide is journaled in well-curb and has a lever-handle extending on outside of the curb, with which to operate said guide while the well-mouth is securely inclosed by the curb; and fourth, to provide a simple, easy, and cheap construction of said well-curb. I attain these objects

by the mechanism illustrated by the accompanying drawings, which I make a part of this specification, in which—

Figure 1 is a vertical view of the curb with open front. Fig. 2 is a vertical view of the entire curb, a portion of the curb being broken away to disclose the windlass rope or chain and the bucket-guide and its operating-lever. Fig. 3 is a detailed view in perspective of the crooked or bowed bucket-guide, which when in place is journaled within the well-curb, and having a collar to fit loosely around the bucket used to draw water from the well, which guide is used to guide the bucket to a perpendicular position over the mouth of well for lowering bucket into well, suspended on a rope, cord, or chain, and to shift the said bucket with water when drawn to exit-spouts of the curb for discharging the water therein.

Similar letters, characters, and references refer to similar parts throughout the several views.

The bottom of the curb is securely and closely fitted to the platform around the mouth of the well and extends any desired height, (about seven feet being preferable,) and is inclosed so as to prevent insects and other objects from getting into same, and having sufficient room therein to contain a windlass, rope, and pulley and well-guide to be operated therein in drawing water from the well.

B is a well-bucket suspended by a rope, cord, or chain passing over a pulley journaled to rotate at top of the curb, said rope extending downward and twining around journaled windlass F, with a crank-handle on outside of the curb, with which the windlass is turned to wind and unwind the rope thereon and therefrom. The bucket so suspended rests perpendicular, with its bottom over the mouth of the well. The bowed or bent bucket-guide A is when in operative position journaled within the end walls of the curb, with its collar fitting loosely around the bucket, near its bottom, (about four inches from bottom of bucket being preferable.) The handle of the bucket-guide A extends from one of its journals upward on the outer side of the curb and serves as a lever to swing said collar in carrying the bucket, with valve end of the latter downward, as shown by dotted lines, to

55

60

65

70

75

80

85

90

95

100

exit-spouts I I for discharging the water at the exits, which are provided with covers E E and have bottoms of screen-wire or strainer-wire E', which prevent the ingress of insects to the closed curb by way of the exit-spouts.

5 A a shows the position of bucket-guide A when the bucket has been carried to the exit-spouts. The handle of the bucket-guide A rests in one of the small notches H, at either of  
10 the said positions, to hold the bucket in the proper position for the length of time desired. Said bucket has a valve at its bottom, through which the water is received into and discharged from the bucket. Said valve has a  
15 small projection slightly below the bucket-bottom, so that when the bucket-bottom is permitted to rest upon any firm object the valve is pressed upward, causing an opening for water to escape, and in this way the water  
20 is discharged from the bucket into the exit-spouts I I.

J is a hollow casing for the well, which may extend down into the water and rise above the surface of the ground any desired height,  
25 and its opening at top forms the mouth of the well. (This casing is sometimes called "curbing.")

C is a cross-timber, with a hole through same for the rope to pass through and fasten  
30 to bucket. C is fixed stationary at the height in the casing to which the top of the bucket can be drawn and serves to prevent the bucket from being carried entirely through the collar of the bucket-guide.

35 D is a door to the curb, which can be opened and shut, as desired, but which there is no necessity for opening to draw the water, but which serves as a convenience when making any needed repairs on the inner side of the  
40 curb.

G in Fig. 2 is a brake for rubbing on the end of windlass to control its speed when lowering the bucket into the well.

It will be observed that all the apparatus so used and inclosed within said curb is at all  
45 times protected from the weather, and the water within the well is protected from insects and other unclean objects.

I am aware that prior to my invention well-curbs have been made with a windlass jour-  
50 naled within for drawing water from wells by use of a rope, cord, or chain attached to bucket and passing over a pulley. I therefore do not claim such a combination broadly; but

What I do claim as my invention, and de-  
55 sire to secure by Letters Patent, is—

The combination with an inclosed well-curb having a door in one of its sides in its upper portion and covered discharge-spouts provided with screen-wire bottoms located at op-  
60 posite sides of said curb above the base of the same, of a windlass journaled in said inclosed well-curb, a rope or chain connected with the windlass, a pulley, over which said rope or chain runs, suspended from the upper part  
65 of said casing, a bucket connected with the lower end of said rope or chain, and provided in its lower end with a filling and discharging valve, a bucket-guide fulcrumed in the sides of the well-curb, provided with a ring  
70 at the upper end of its shorter arm encircling the valve-bucket, a lever for shifting the bucket to either of the discharge-spouts, and a notched lever-guard for holding the lever  
75 to either of its three adjustments, substantially as specified.

ALBERT ARTHUR JAMES.

Witnesses:

E. S. SHACKELFORD,  
MORGAN NAIL.