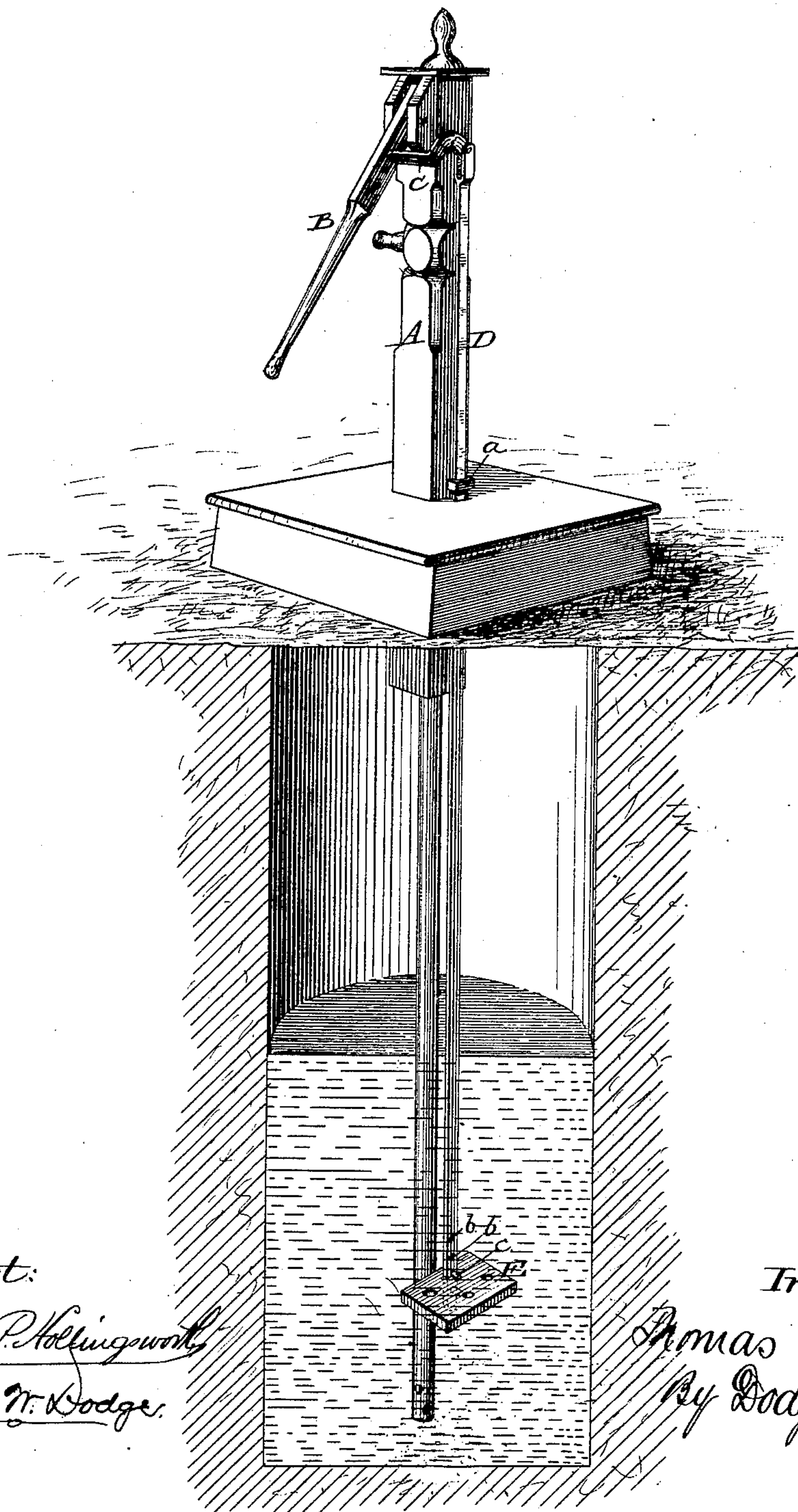


(No Model.)

T. MARTIN.  
Pump Attachment.

No. 231,964.

Patented Sept. 7, 1880.



Attest:

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# UNITED STATES PATENT OFFICE.

THOMAS MARTIN, OF MECHANICSBURG, OHIO.

## PUMP ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 231,964, dated September 7, 1880.

Application filed June 21, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS MARTIN, of Mechanicsburg, in the county of Champaign and State of Ohio, have invented certain Improvements in Pump Attachments, of which the following is a specification.

My invention, illustrated by a side view in the drawing, relates to agitators for use in wells and cisterns to prevent the water from becoming stagnant; and it consists in a dasher attachment capable of ready application to pumps now in use, and in making said dasher adjustable to adapt it to the depth of water in the well or cistern, as hereinafter explained.

It is well understood that water, if allowed to stand undisturbed and quiet, becomes impure and unfit for use, while, if the water be agitated and its particles caused to come into direct contact with the atmosphere, the foul gases are given off and the quality or condition of the water greatly improved. To secure this agitation of the water plungers or dashers have been connected to and caused to move with the pump-rod; but hitherto such attachments have required either a pump of special construction, or a modification or alteration thereof, in order to permit their use, and hence could not be generally adopted.

Another difficulty has been found in the fact that while the depth of water in a well or cistern usually varies according to the season, the dasher or agitator, as hitherto constructed and employed, has been fixed and incapable of adjustment, and hence, while failing to reach or to penetrate the water to a sufficient depth at one time, it was liable at other times to be so far below the surface as to fail of producing the best results.

To overcome these difficulties and provide an attachment capable of general application to pumps already in use is the object of my invention; and to this end I construct a curved or bent arm of metal, providing the same with holes to receive screws or bolts, by which to secure it to the handle or lever of the pump, and with a forked end to receive the head or upper end of a dasher-rod, the arm being of proper shape to extend outward past the side of the pump and to stand in line with the inner arm of the lever or handle. The dasher-

rod, which is attached to this arm, extends down by the side of the pump-stock into the well or cistern, and is provided with a horizontal perforated board or dasher held in place by two transverse pins, one above and the other below, the rod being furnished with a series of holes to permit the adjustment of the dasher.

Referring to the drawing, A represents a pump-stock provided with a handle or lever, B, and C the bent or curved arm secured to the handle or lever by screws or bolts, as above mentioned.

D represents a rod or stem jointed to the forked end of arm C, and passing down by the side of the pump-stock into the well or cistern, and nearly to the bottom of the same, the rod being preferably carried through a guide, *a*, as shown. The lower end of the rod D is provided with a series of holes, *b*, one above another, to receive pins or pegs *c c*, of which two are employed, and between which a flat board or dasher, E, perforated and provided with a hole or opening to permit the rod to pass through, is placed and held.

By placing the pegs or pins higher or lower the point at which the dasher E is held may be regulated. Hence, when there is such a change in the depth of water as to render necessary a change in the position of the dasher, such adjustment may be effected by simply disconnecting the rod D from arm C, drawing the dasher up to the top of the well or cistern, and moving the dasher and pins, as before mentioned.

It is obvious that other fastening devices may be employed—as, for instance, a set-screw or wedge; and it is likewise apparent that by such attachment the dasher or agitator may be made adjustable when applied to the pump-rod of certain styles of pump, as before mentioned.

It is obvious that the end of the dasher-rod may be forked instead of the end of bent arm C.

Having thus described my invention, what I claim is—

1. In combination with a pump handle or lever, a bent arm, C, secured to the handle or lever and bent outward past the side of the

pump-stock, as shown and described, whereby the attachment of a dasher-rod is permitted without alteration of the pump.

2. In combination with a pump, an external dasher connected with a moving part thereof, substantially as described, whereby its vertical adjustment is permitted.

3. The herein described attachment for pumps, consisting of the dasher E, the rod

D, and the bent arm C, secured to the pump-rod lever, as described and shown, whereby the attachment is adapted for application to pumps already in use.

THOMAS MARTIN.

Witnesses:

WM. C. PANGBORN,

C. GUY.