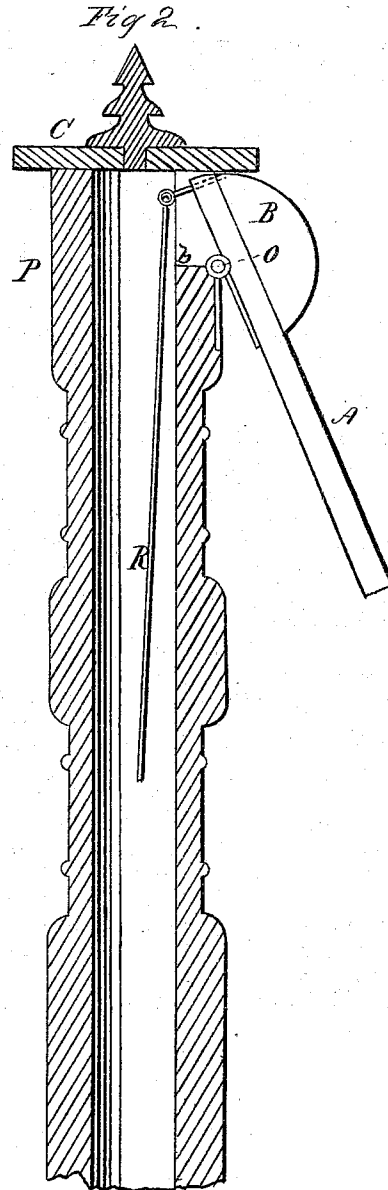
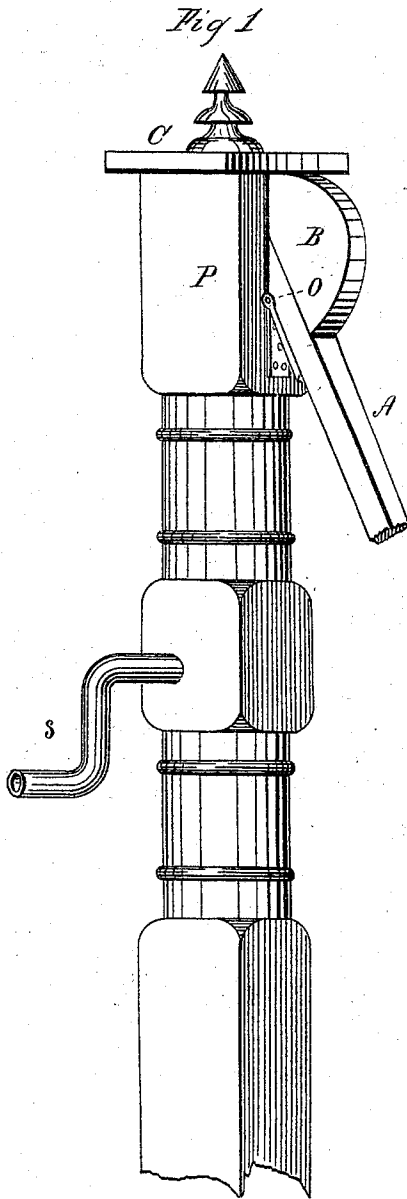


W. M. BROOKE.
Pumps.

No. 152,594.

Patented June 30, 1874.



Witnesses.

E. W. Brown
A. J. Goodrich.

Inventor.

Wm M. Brooke.

UNITED STATES PATENT OFFICE.

WILLIAM M. BROOKE, OF UNION POINT, GEORGIA.

IMPROVEMENT IN PUMPS.

Specification forming part of Letters Patent No. **152,594**, dated June 30, 1874; application filed July 16, 1873.

To all whom it may concern:

Be it known that I, WILLIAM M. BROOKE, of the town of Union Point, Greene county, State of Georgia, have invented certain Improvements in the Handles of Hand-Pumps, by which the interior arrangements of the pump (such as plungers and valves) are perfectly protected against the attempts of malicious persons or mischievous children dropping stones, old irons, chips, or anything into the pumps which will impede or destroy the workings of said pumps by means of the angular **S** outlet or spout, and by use of a segment-shaped arc on the upper or top of the pump-handle, perfectly filling the whole slot in which the handle works, and by means of a hinge-joint on which the handle works, secured to the pump-stock and handle, perfectly closing any opening into the pump without removing top of same, or by forcing an opening, and in an arrangement by which the pump-lever is prevented from rising so high as to be out of reach after being used, and the plunger al-

lowed to sink in the pump-barrel only to a given point.

Figure 1 is a perspective view of the pump. **P**, the pump; **S**, the spout or outlet; **A**, the handle; **o**, the hinge on which the handle works; **B**, the segment-arc on the handle, which fills or closes the slot in which the handle works. **b** is the shoulder, forming the lower boundary of the slot through which plays the segment **B** and inner end of the lever; **C**, the top of pump.

Fig. 2 is a section of the pump. **S** is spout; **P**, pump; **C**, top; **O**, hinge for handle; **a**, handle; **B**, segment-arc, keeping slot closed at all times; **R**, a section of valve or plunger rod.

I claim—

The lever **A**, hinged as shown at **o**, and projecting inward over the square shoulder **b**, in combination with the segment **B**, as and for the purpose set forth.

Witnesses: WM. M. BROOKE.

CHAS. WELLINGTON,
W. J. GOODRICH.