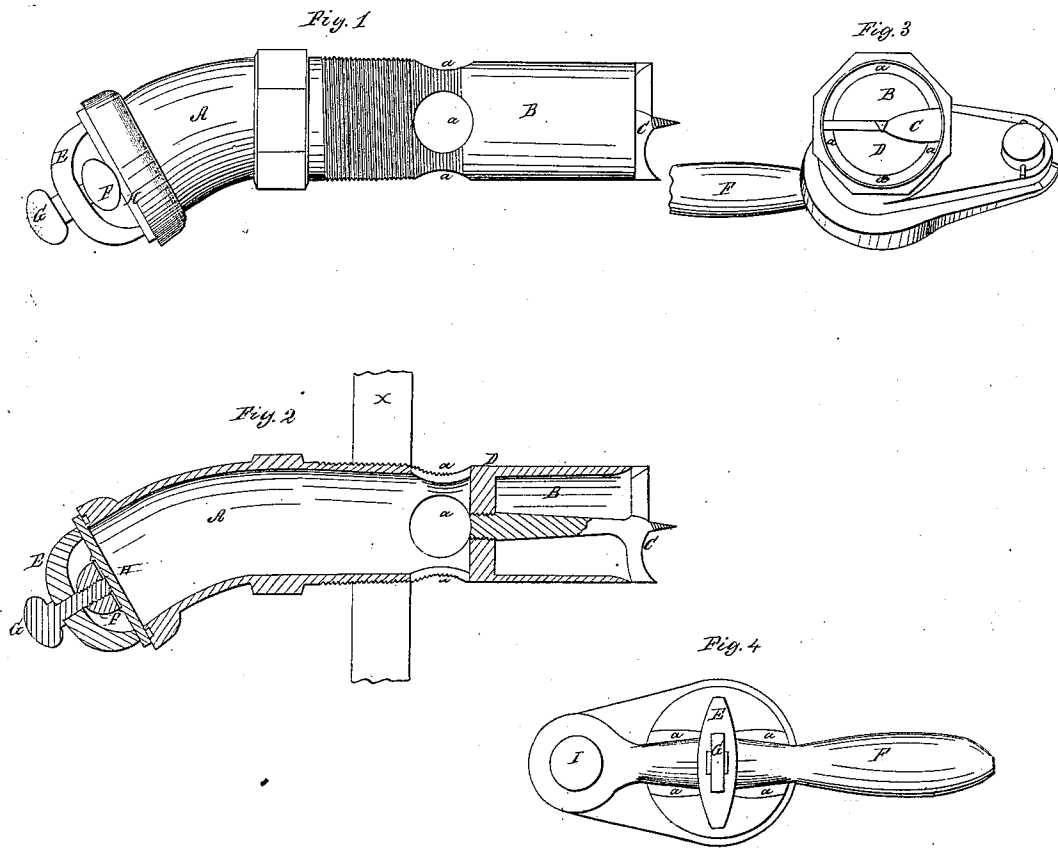


Larrence & Johnson,

Molasses Gate.

N^o 82,851.

Patented Oct. 6, 1868.



Witnesses;
Samuel D. L. Smith
Nick F. Smith

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United States Patent Office.

JOTHAM R. LAWRENCE AND ISAAC G. JOHNSON, OF CUTLER, MAINE.

Letters Patent No. 82,851, dated October 6, 1868.

IMPROVEMENT IN BORING-FAUCETS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, JOTHAM R. LAWRENCE and ISAAC G. JOHNSON, of Cutler, in the county of Washington, and State of Maine, have invented a new and valuable Improvement in Faucets; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation.

Figure 2 is a section through the centre, (longitudinal.)

Figure 3 is a back elevation.

Figure 4 is an elevation of the gate.

Similar letters of reference indicate like parts.

This invention consists mainly in attaching to a faucet of the usual style a boring-tool and core-chamber, also an arched clamp, by which the gate is kept perfectly rigid to the lever, and close upon the face of the faucet.

A represents the body of the faucet; B, the core-chamber; C, the boring-tool or bit; D, a partition, which separates the body of the faucet from the core-chamber, and in which the shank of the boring-tool is fixed. The holes *a a a a* communicate with the body of the faucet, and the inside of the vessel in which it is placed.

E represents the arched clamp, through which the thumb-screw G passes into the lever F; H, gate, and *o o o o* cleats upon the gate, forming shoulders, upon which the edges of the lever bear in raising or lowering the gate; I, pin by which the lever is fastened, and upon which it turns.

X represents a section of the end or wall to which the faucet is attached

Operation.

The bit C must be suited to boring a hole exactly the diameter of the outside of the core-chamber B, which, with the partition D, forms a stopple. After the hole is bored, it is then pushed into the screw-thread, and turned in the usual manner until the holes *a a a* pass entirely through the end or wall of the vessel, as represented by section X, forming a communication, as shown by the arrows.

The clamp E is operated by the thumb-screw G passing loosely through it, and bearing upon the shoulder C, and tapping into the lever F. It will appear, by inspection (see fig. 2) the ends of the clamp E and screw G, all bear upon the gate H, the screw passing entirely through the lever, thereby forming three bearings, by which the gate is kept close upon the face and rigid upon the lever.

We claim, and desire to secure by Letters Patent—

A faucet having boring-tool C, core-chamber B, clamp E, thumb-screw G, lever F, gate H, pin I, and cleats *o*, constructed, combined, and operating substantially as specified.

In testimony that we claim the above, we have hereunto subscribed our names in the presence of two witnesses.

JOTHAM R. LAWRENCE.
ISAAC G. JOHNSON.

Witnesses:

SAMUEL D. LEAVITT,
NICK FESSENDEN.