

Marshall L. Bassett's *Impt'n.* WELL TUBES.

Assignor to Self & E. E. Pardee

PATENTED

DEC 17 1867

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Fig. 1.

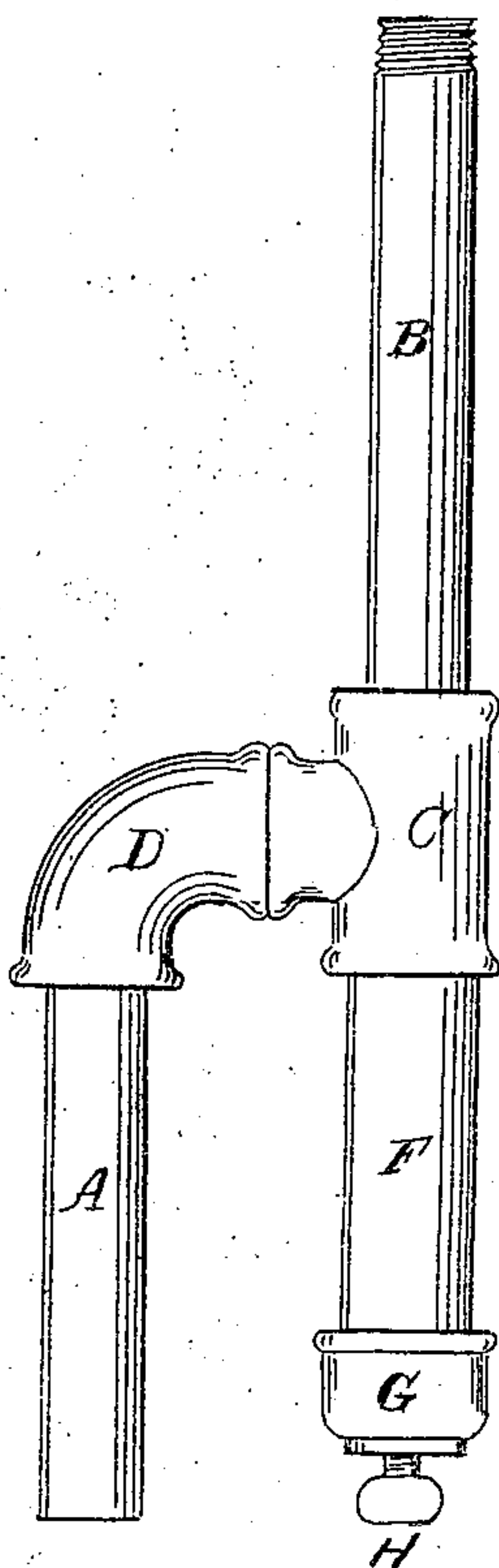
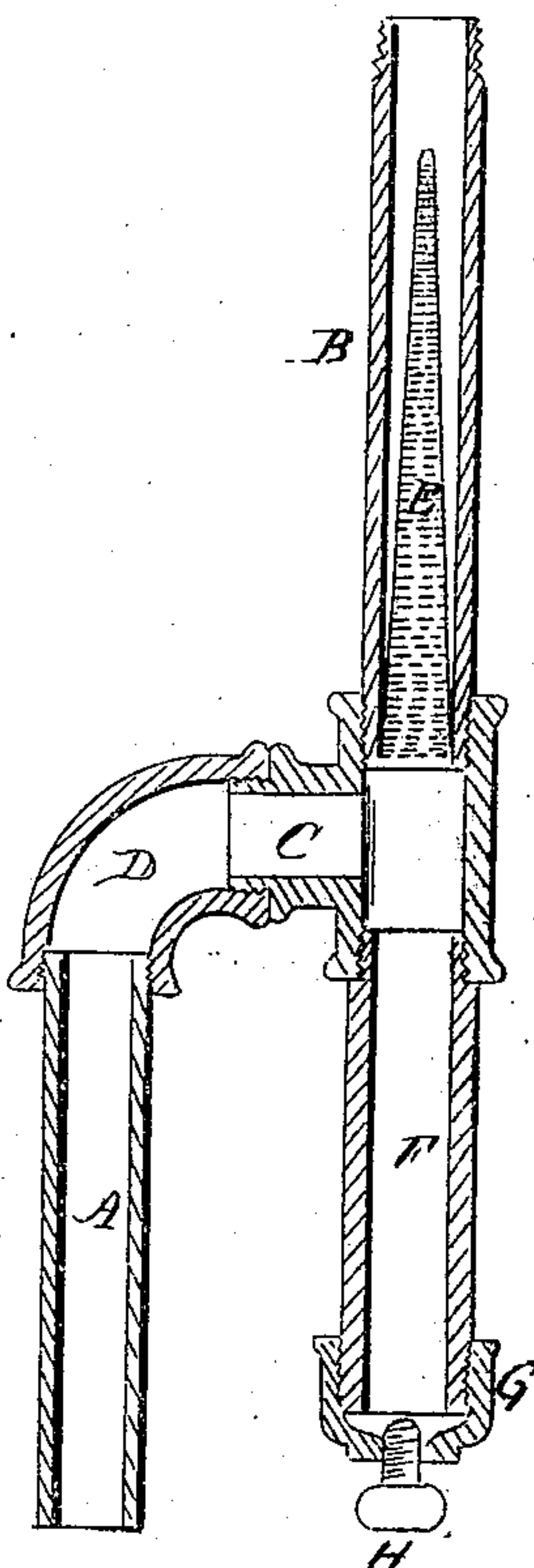


Fig. 2.



Witnesses

John H. Sumner
a. j. Libb

Marshall L. Bassett
Inventor
By his Attorney

Wm. E. Earle

United States Patent Office.

M. L. BASSETT, OF WEST HAVEN, CONNECTICUT, ASSIGNOR TO HIMSELF
AND EGBERT E. PARDEE, OF SAME PLACE.

Letters Patent No. 72,359, dated December 17, 1867.

IMPROVEMENT IN WELL-TUBES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, M. L. BASSETT, of West Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Well-Tubes; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view.

Figure 2, a vertical central section.

This invention relates to that class of wells which are formed by forcing into the earth a metal tube, perforated at its lower end, so that water will enter the tube, when it has been forced down to the required depth, and the applying of an ordinary pump to the tube. The tube serves as the well, and avoids the necessity of digging.

In the use of this class of wells a great difficulty is experienced, through the liability of sand to flow into the tube, and be drawn up by the pump, to the great injury of the pump. The object of this invention is to overcome this difficulty, and consists in the employment of a filter and drip in immediate connection with the tube, and between that and the pump, so that the drip will receive the sand, and the clear water pass on to the pump.

To enable others to construct and use my improvement, I will proceed to describe the same as illustrated in the accompanying drawings.

A is the well-tube, of any common or known construction. B is a tube, to which the pump is attached in the usual manner; the tube B being attached to the tube A by means of a T, C, and elbow D, as seen in the drawings. Within the tube B is arranged a conical strainer, E, filling the tube at the lower end, so that the water must pass therethrough on its way to the pump, and this strainer is best made from wire gauze, or may be from perforated sheet metal. From the T, C, downward, extends a tube, F, and to its lower end is fitted a cap, G, having an opening through its bottom, stopped by a screw, H, or other convenient device.

The operation of this arrangement is as follows: The water is drawn up through the tube B in the usual manner, passing through the strainer E. The sand, which may be in the water drawn up to this point, and above the drip-tube F, sinks into the drip, and settles to the bottom of the tube F, or, prevented from further progress by the strainer E, it then settles into the drip-tube F, and may be removed therefrom by taking out the screw H or removing the cap.

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

The arrangement described of the drip-tube F and well-tube A with the tube B, when the said tube B is provided with a conical strainer or filter E, substantially as herein set forth.

M. L. BASSETT.

Witnesses:

JOHN E. EARLE,

A. J. TIBBITS.