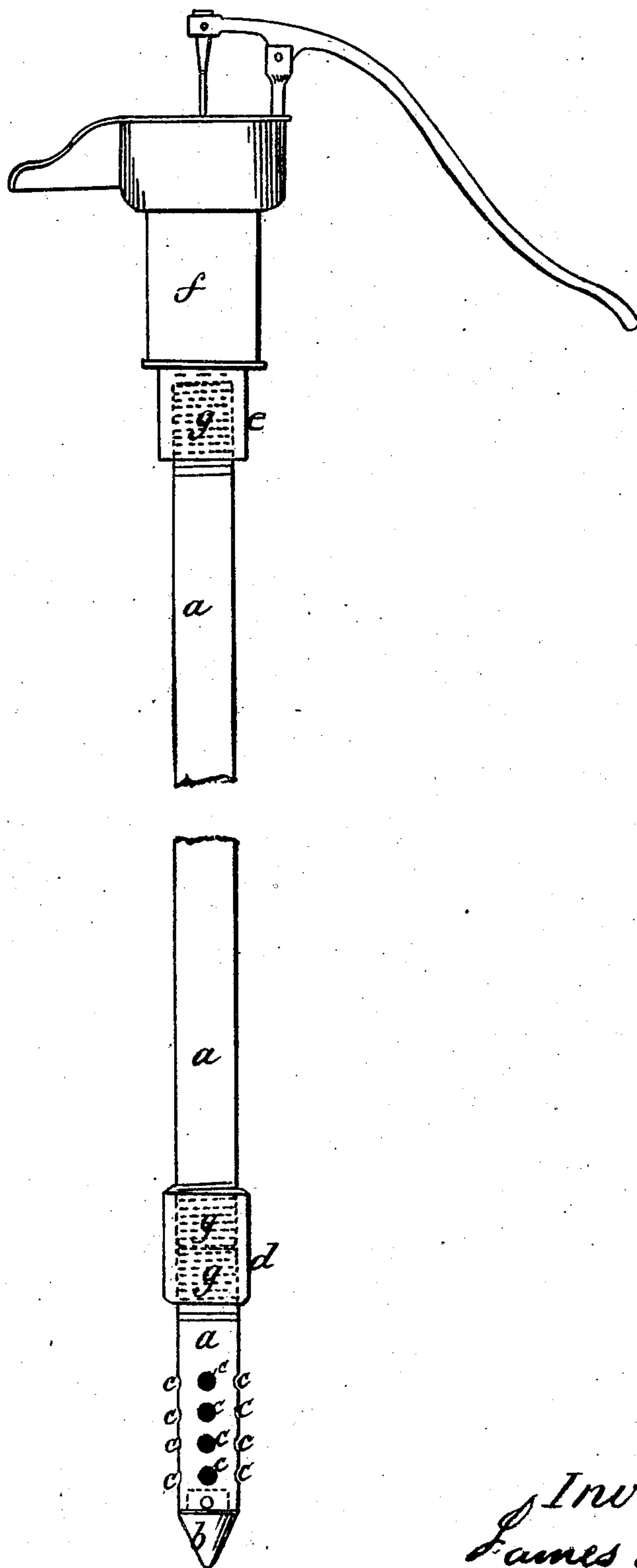


J. Suggett.
Pump for Bored Wells.
No 42,126. *Patented Mch 29. 1864.*



Witnesses;
Chas Foster
H. L. Collins

Inventor;
James Suggott

UNITED STATES PATENT OFFICE.

JAMES SUGGETT, OF CORTLAND, NEW YORK.

IMPROVEMENT IN PUMPS FOR BORED WELLS.

Specification forming part of Letters Patent No. **42,126**, dated March 29, 1864.

To all whom it may concern:

Be it known that I, JAMES SUGGETT, of Cortland, in the county of Cortland and State of New York, have invented a new and Improved Method of Putting Down and Operating Bored Wells; and I do hereby declare that the following is an exact and full description thereof, reference being had to the accompanying drawings and the letters of reference marked thereon.

My method of putting down a well is as follows—viz: I first bore with any ordinary drill, of the same, or larger size than the pipe to be used for drawing the water, to the desired depth. The drill is then entirely withdrawn, I then prepare an iron pipe, *a a*, which may be lengthened as desired by adding pieces, connecting them by means of the collar *d*, into which they are tightly screwed. The lower end of the pipe is perforated with holes *c c c*, for a space of one to two feet, to allow water to freely flow in. In the end of the pipe is fitted and riveted a conical point, *b*. The perforated portion of the pipe may be filled with old rope or rags, to prevent dirt sifting in in its passage through the dirt, such rope to be drawn up through the pipe after it is put down. The pipe thus prepared is driven down in the hole prepared by the drill, and pieces added as it is forced down until the perforated portion reaches water. Any desired pump is then screwed or soldered onto the upper end of the pipe. After a slight pumping the loose dirt about the holes *c c* is drawn off

and a perfect well is formed. By the old method, pipe was forced down with the drill to the desired point. The drill was then drawn up inside the pipe, leaving the pipe to act as a wall or curb for the well, and a suction or draw pipe was then passed down inside the first pipe. One great difficulty in this method was experienced in forcing down the first pipe, as it must be always larger than the drill to admit of the drill being drawn out inside the pipe, and to reduce the pipe in size as much as possible it was necessary to use thin and consequently weak pipe, and which would not bear driving; whereas, in my method, the drill being first put down alone, it can be used as large or larger than the pipe, and thus remove all obstructions, while the pipe which is to be put down after the drill is taken out may be made of any desired thickness and of strength sufficient, when armed with the sharpened point *b*, to bear all necessary driving, and my method dispenses with one pipe, my pipe answering for both curb to the well and suction or draw-pipe.

What I claim as my invention, and desire to secure by Letters Patent, is—

The perforated pipe, *a* with the pointed end *b*, constructed as a drill and united with a pump, all substantially as shown and described.

JAMES SUGGETT.

Witnesses:

CHAS. FOSTER,
H. T. COLLINS.