

J. Harter.

Tubular Well.

Nº 98.766.

Patented Jan. 11, 1870.

Fig: 1

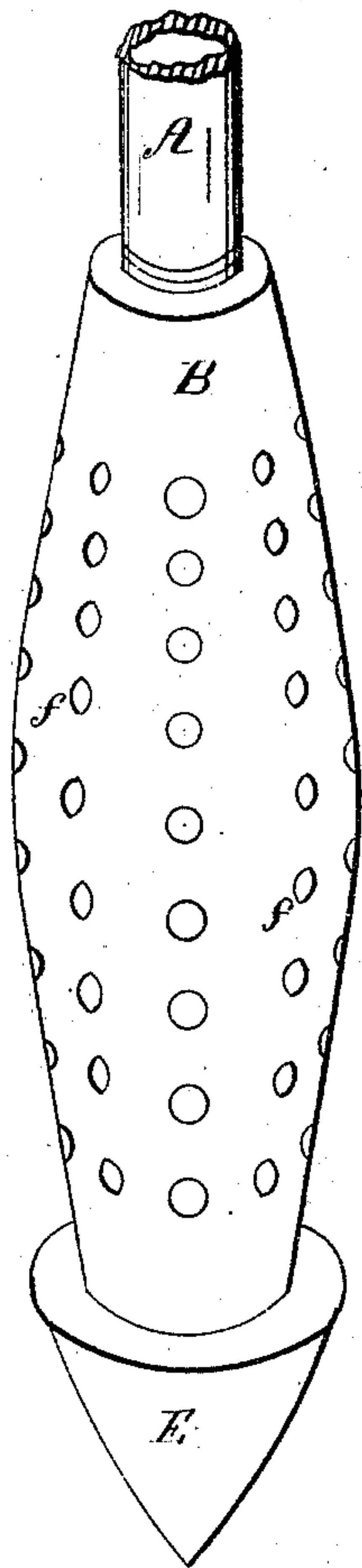
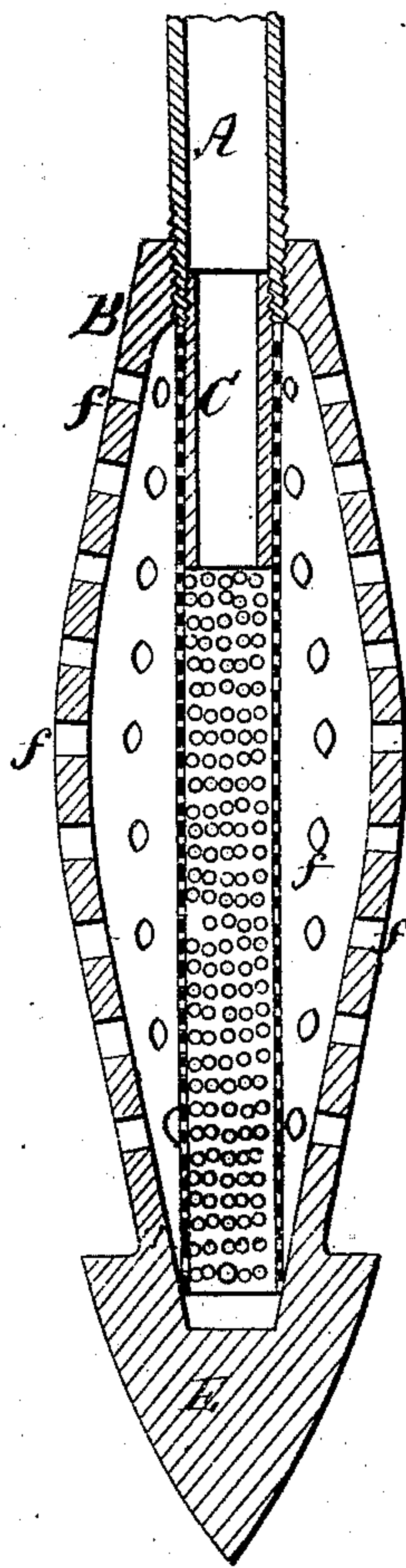


Fig: 2.



Witnesses;

Edmund Masson

David Bachrach Jr.

Inventor;
John Harter
by his Atty
H. C. Smith

United States Patent Office.

JOHN HARTER, OF COLFAX, IOWA.

Letters Patent No. 98,766, dated January 11, 1870; antedated January 6, 1870.

IMPROVEMENT IN DRIVEN WELLS.

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, JOHN HARTER, of Colfax, Jasper county, State of Iowa, have invented certain new and useful Improvements in Tubular Wells; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a longitudinal view of my improvement.

Figure 2 is a longitudinal sectional view of the same, showing the screen within the outer casing.

Similar letters of reference, where they occur in the figures, denote corresponding parts in both drawings.

The nature of my improvement relates mainly to the providing of a larger and more perfect reservoir than those generally used, for receiving the water previous to its being carried up the pipe, and also affording a more perfect and stronger protection to the inner screen, thereby keeping it always in order.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

I construct the outer casing or reservoir B of iron, or of any durable metal, enlarged in the centre to nearly twice the size at the end where the section-pipe A joins, being a gradual slope from the centre to the ends; the inner surface and shape of reservoir B corresponding with the outer surface of the same.

The sides of reservoir B are perforated with holes *f*, suitable in size and number to admit the water freely through them.

At the lower end of reservoir B there is point E, cast with the reservoir B, to enable the whole to be driven in the ground more easily.

Within reservoir B there is screen D, of galvanized-iron pipe, perforated with fine holes, to admit the water, and to prevent dirt or any like substance from passing up the pipe.

Screen D is fitted into the lower part of reservoir B, is held at the top by section-pipe A and the smaller pipe C; section-pipe A being fitted with a screw into reservoir B at the top, and screwed down until it rests upon the top of the pipe-screen D, the smaller pipe C being fitted tightly into screen-pipe D, and also attached by screw-thread to section-pipe A, thereby holding it firmly in place. Other sections of pipe, similar in size to that of section-pipe A, are attached thereto, by screw-thread, as each section is driven into the ground.

Having described my improvement,

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

The bulged-shape reservoir, B, when combined with screen D, pipe C, and section-pipe A, attached, constructed, and operating in the manner and for the purpose specified.

JOHN HARTER.

Witnesses:

CHAS. A. DOBSON,
SEBIRD HARTER.