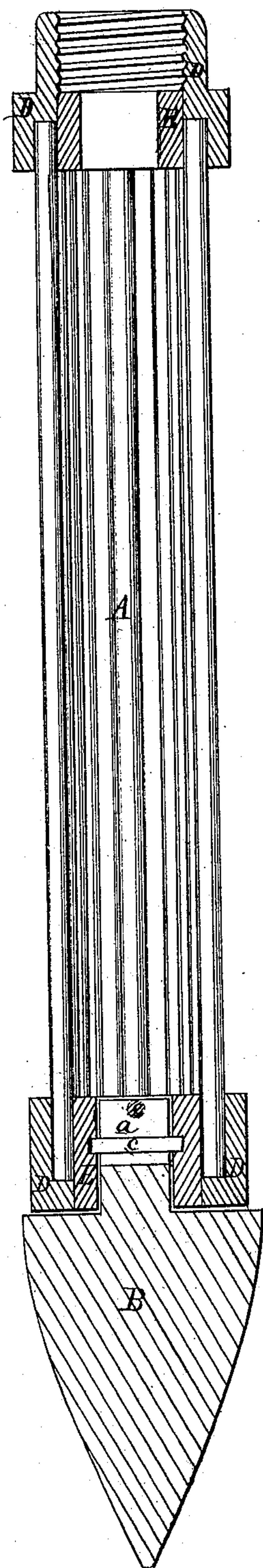


J. M. Mott,

Tube Well.

No. 100,179.

Patented Feb. 22. 1870.



Witnesses.

E. W. Anderson,
D. D. Kane

Inventor

J. M. Mott
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Attorneys.

United States Patent Office.

JOHN M. MOTT, OF CHICAGO, ILLINOIS.

Letters Patent No. 100,179, dated February 22, 1870.

IMPROVEMENT IN DRIVE-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, JOHN M. MOTT, of Chicago, in the county of Cook, in the State of Illinois, have invented a new and improved Method of Constructing Artesian or Drive-Well Tubes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

My invention relates to that class of wells known as driven or tube wells; and

It consists mainly in the construction and novel arrangement of devices intended to serve an efficient purpose as the lower section of such tube well.

A of the drawings represents a cylinder or tube constructed of wires placed side by side, leaving very small openings or interstices for the passage of water therein.

B represents a solid inverted cone, having a slot at *a*, in which the pins *c* are passed through the lower rings of the tube, to hold said cone in place, and allow it sufficient play-room.

The top of cone B is made a little larger in diameter than the rings of the tube, so that the opening made thereby, when forced in the ground, shall be of sufficient size to provide a small circular chamber be-

tween the surface of the cylinder and the side of the earth well.

D represents rings, arranged respectively on the outside of cylinder A at top and bottom, the upper one having a thread cut in its inner side, as shown, to provide means for attachment to a section to be placed on top thereof.

E represents rings of galvanized iron, arranged respectively at the top and bottom of the cylinder A, in the manner shown.

By my method of arrangement, the wires that form the cylinder A are clamped, both at top and bottom, between the rings D and E, and are soldered there securely.

I do not claim broadly a cylinder of wires for use as the lower section of a tube well, for I am aware that wires have been used heretofore for that purpose; but

What I claim is—

The combination and arrangement of the wire cylinder A, cone B, and rings D and E, when the wires are clamped between rings D and E, as specified, for the purposed set forth.

Witnesses:

A. C. ACKLEY,
A. J. GRAHAM.

JOHN M. MOTT.