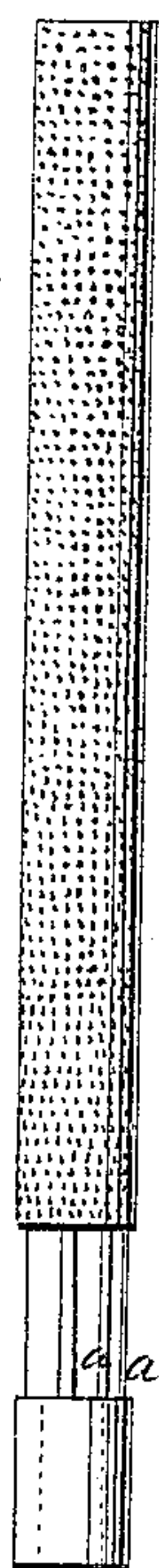


T. B. Conklin.

Well Tubing.

No. 77,171.

Patented Apr. 28, 1868.



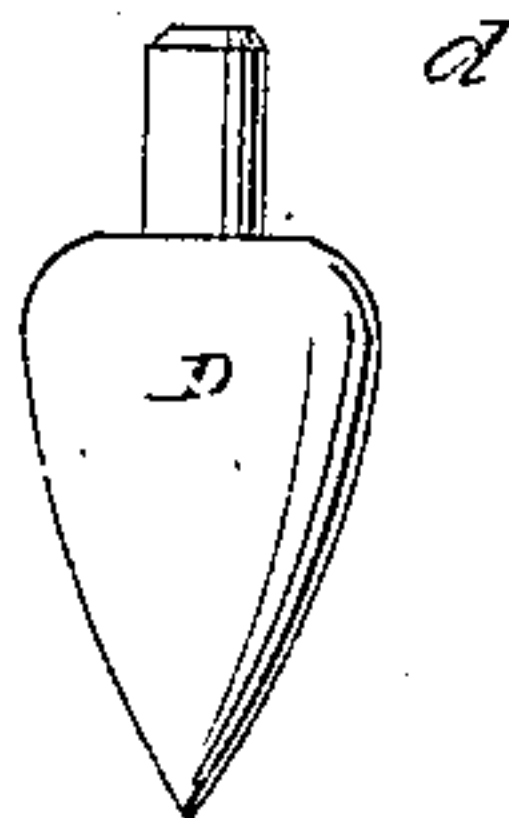
B

C

A

B

a a'



d

Witnesses:

Chas. May

J. C. Porter

Inventor:

Thomas B Conklin
by Bruny Beadle atty

United States Patent Office.

THOMAS B. CONKLIN, OF ROCKFORD, ILLINOIS.

Letters Patent No. 77,171, dated April 28, 1868.

IMPROVEMENT IN DRIVE-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, THOMAS B. CONKLIN, of Rockford, in the county of Winnebago, and State of Illinois, have invented a new and improved Well-Drive; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention consists of a well-drive with a detachable head, and enlarged filtering-surface, as will be hereinafter fully described.

To enable others to make and use my invention, I will now proceed to describe its construction and operation. A represents a piece of metal pipe, in which the long straight or spiral slits *a* are cut at a proper distance apart, one edge of which is turned up to form the lips *a'*. At each end of the pipe, upon the parts uncut, are slipped the bands B, of iron or other suitable material. C represents the filtering-screen, made of any proper substance, with its entire surface perforated, which fits snugly around the bands B and lips *a'*, and is fastened securely to them. D represents the detachable head, the lower part of which is of suitable shape for entering the ground with least resistance, and the upper part of which is flat, with the exception of the projection *d*, which latter fits closely within the well-tube A. The largest circumference of the head D is somewhat greater than that of the screen C, the object of which is to cause the bore of the well to be enough larger than the screen to allow of free movement of the tube if desired, and also to prevent pressure and injury to the screen. No fastening is made between the tube and the head, the projection fitting closely enough, however, to prevent the head from dropping off at any time by accident, it being intended that if it should from any cause be necessary to withdraw the tube, the head should remain in the ground, thus allowing the operation to be performed with ease. The upper part of the tube is provided with a screw-thread, by which means joints of pipe are added for any desired length. The screen being supported at regular intervals throughout its entire length, by being properly fastened to the lips *a'*, and being also secured at the ends to the bands B, great strength is obtained without the loss of any of the filtering-surface, the edges of the lips *a'* being attached between the lines of the perforations.

By my combination I thus obtain the result desired, great strength, with the largest possible amount of filtering-surface.

I do not claim the method of sinking wells by driving, but

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

The pipe A, with slits *a*, and lips *a'* in combination with bands B and screen C, arranged as described.

THOMAS B. CONKLIN.

Witnesses:

H. W. TAYLOR,

C. G. CONKLIN.