

N. K. LUDLOW.  
Well-Tubing.

No. 208,619.

Patented Oct. 1, 1878.

Fig. 1.

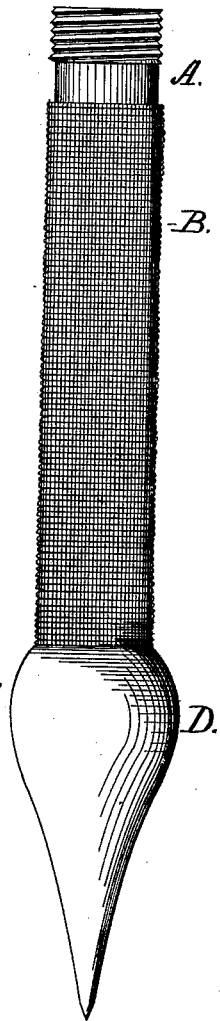
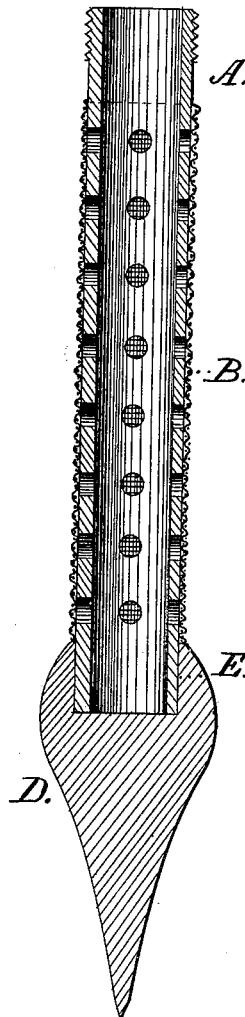


Fig. 2.



WITNESSES  
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# UNITED STATES PATENT OFFICE.

NOAH K. LUDLOW, OF MOBILE, ALABAMA.

## IMPROVEMENT IN WELL-TUBING.

Specification forming part of Letters Patent No. **208,619**, dated October 1, 1878; application filed July 3, 1878.

*To all whom it may concern:*

Be it known that I, NOAH K. LUDLOW, of the city of Mobile, in the county of Mobile and State of Alabama, have invented a new and useful Improvement in Driven Wells, which improvement is fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a side view. Fig. 2 is a vertical section.

The object of my invention is to furnish a well-point which can be driven into the earth with little or no friction to the sides of the well-tube above it, and to enable the tube to be withdrawn without breaking it.

My well-point consists of an inner strainer-tube, A, perforated with holes of a size in proportion to the diameter of the tube. The perforated portion of the tube A is covered with an unbroken corrugated brass wire-gauze, B, attached thereto, and the lower end of the tube A is inserted in a socket, E, of the cast-iron slip-point D. I make the point D considerably larger than the diameter of the well-tube

itself, in order to relieve the latter as much as possible from friction in driving the well. As the diameter of the point is greater than the diameter of the well-tube, it makes a larger opening in the earth for the passage of the latter. The socket E strengthens the tube A, and in cases where it is required to withdraw the well-tube from the earth, the slip-point D will become detached from the tube A and prevent it from being broken.

I prefer to make the tube A of brass or composition metal.

Having described my invention, I claim—

The well-point D, provided with socket E, in combination with the perforated brass tube A and unbroken corrugated brass wire-gauze, covering the perforated portion of tube A, said tube being detachably connected to the point, in the manner and for the purpose described.

NOAH K. LUDLOW.

Witnesses:

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