

(No Model.)

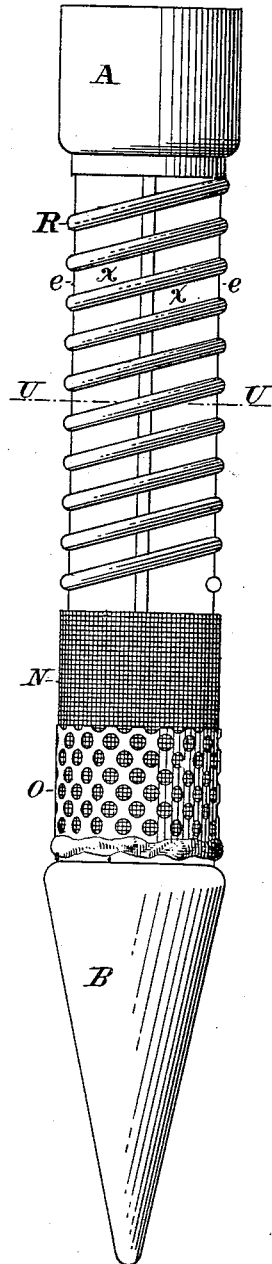
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DRIVE WELL POINT AND STRAINER.

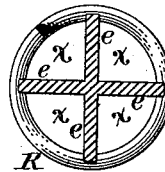
No. 262,462.

Patented Aug. 8, 1882.

*Fig. 1.*



*Fig. 2.*



Witnesses:  
*N. Aldrich.*  
*W. M. Plekuty.*

Inventor:  
*Oscar B. Olmsted*

# UNITED STATES PATENT OFFICE.

OSCAR B. OLMSTED, OF BELOIT, WISCONSIN.

## DRIVE-WELL POINT AND STRAINER.

SPECIFICATION forming part of Letters Patent No. 262,462, dated August 8, 1882.

Application filed June 23, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, OSCAR B. OLMSTED, a citizen of the United States, residing at Beloit, Rock county, Wisconsin, have invented certain new and useful Improvements in Drive-Well Points and Strainers, of which the following is a specification.

My invention relates to improvements in drive-well points and strainers, in which I use a radiating web with a suitable coupling-ring and point, the web having a wire wound spirally outside and a strainer-covering outside of the wire; and the object of my improvements is to get a greater amount of water-surface for admitting water. I attain this object by the device illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the point with a portion of the strainer-covering cut away to show the spiral wire wound around the web, and Fig. 2 is a cross-section at the dotted line *u u*, Fig. 1.

Similar letters refer to like parts in the different views.

The radiating web is shown by letter *e*, Figs. 1 and 2, and at one end has a coupling-ring, A, and at the opposite end a point, B. The spiral wire R, Figs. 1 and 2, is wound tightly around the web and rests in little notches in the edges of the radiating arms of the web, so the wire cannot slip back and forth along the web. The spaces or channels shown by letters *x*, Figs. 1 and 2, are passage-ways for the water, which passes into the pump or other tube through the coupling-ring A. The web, with the wire wound around it, is covered with

a strainer, N, and outside the strainer is a perforated jacket, O, to protect the strainer. The radiating web and coupling-ring A and point B are made of malleable iron or of any other metal of sufficient strength.

The usual way of making drive-well points and strainers is to use iron tubes and drill or punch numerous holes in the tubes, and then cover them with a strainer. In such drive-well points there is but a very small amount of surface for admitting the water. With my radiating web wound with the wire almost the entire surface is left open to admit the passage of water through the strainer into the channels *x x*, Fig. 1, and out through the coupling A.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. An internal support for drive-well strainers, consisting of a web or spider having radial wings united at their inner edges, and a wire wound around said web or spider, substantially as described and shown.

2. In combination with a web or core having radial wings, a wire wound spirally upon the web, and a strainer or gauze covering surrounding the wire, substantially as set forth.

3. In combination with a core or web having radial wings, a wire wound spirally around said core, a gauze covering surrounding the wire, and a perforated metal jacket enveloping the gauze, as and for the purpose set forth.

OSCAR B. OLMSTED.

Witnesses:

J. B. DOW,  
WM. J. GRAY.