

No. 682,483.

Patented Sept. 10, 1901.

A. D. MORESI.  
WELL STRAINER.

(Application filed May 11, 1901.)

(No Model.)

Fig. 1.

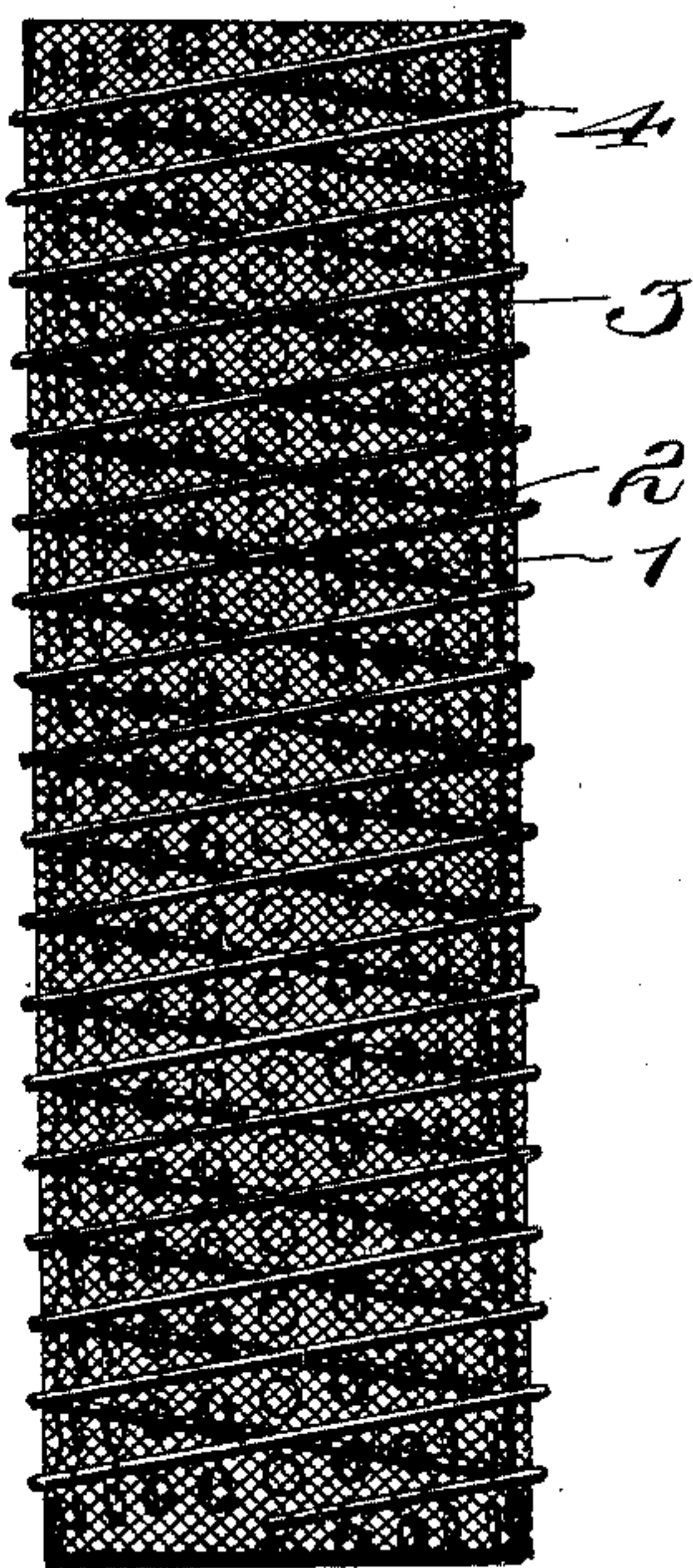


Fig. 3.

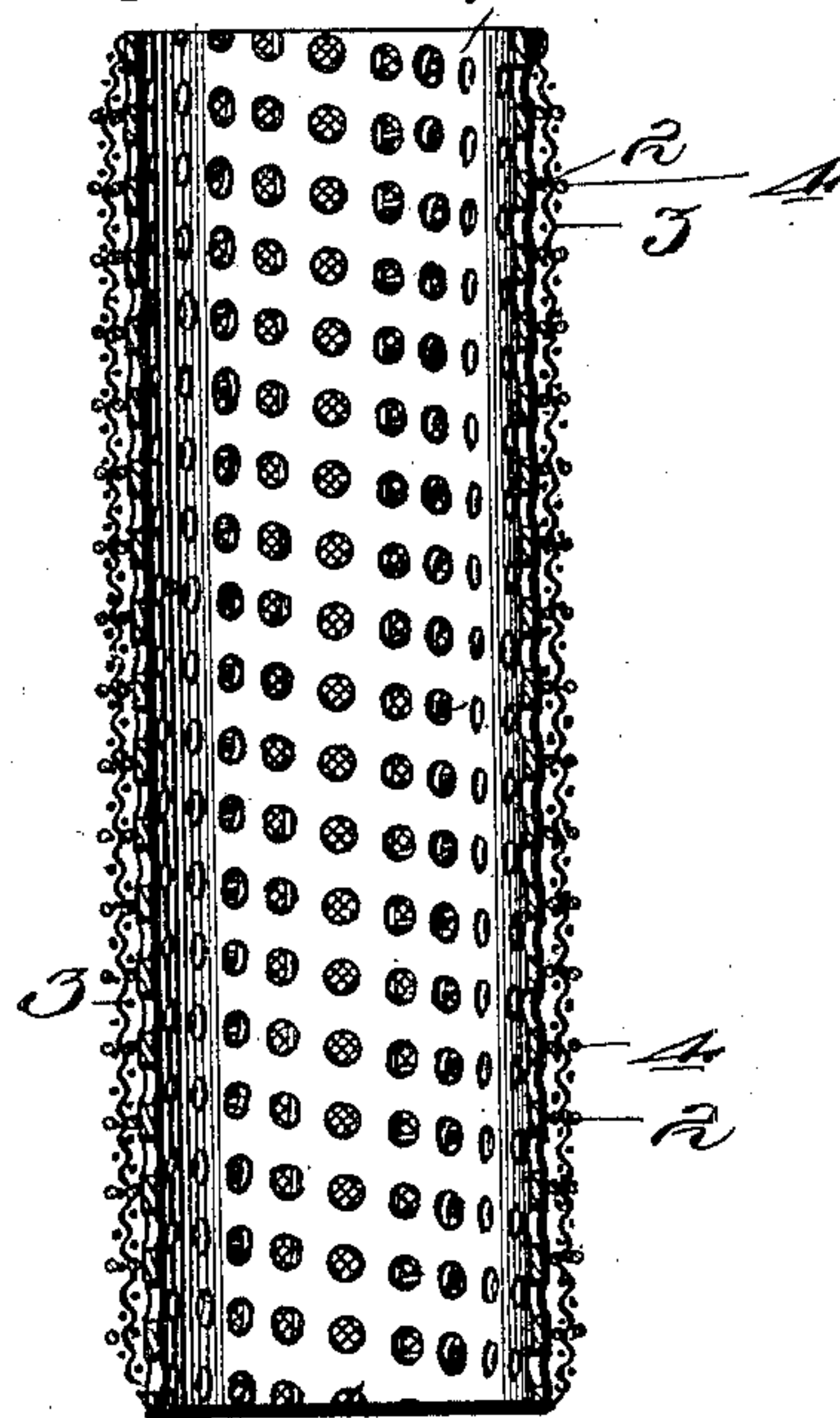
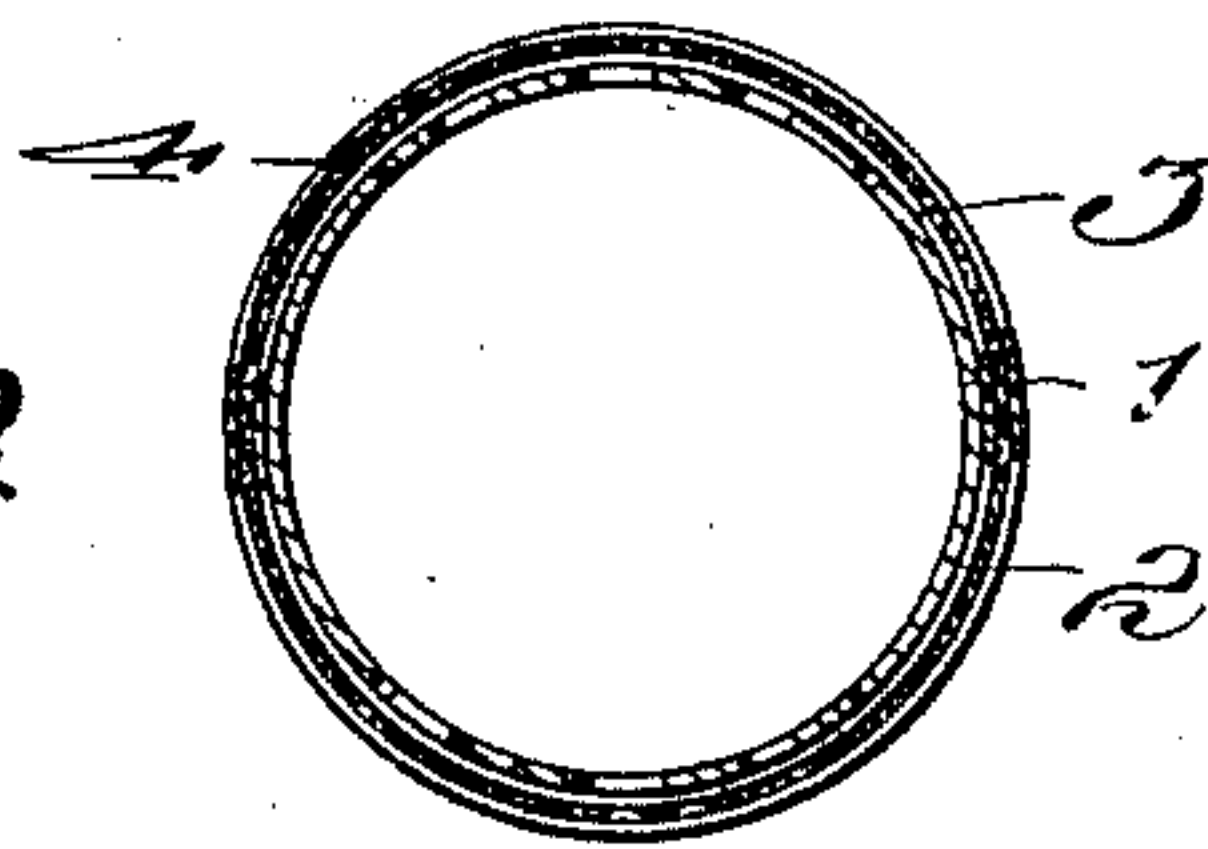


Fig. 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

ALEXANDER DAMAS MORESI, OF JEANERETTE, LOUISIANA.

## WELL-STRAINER.

SPECIFICATION forming part of Letters Patent No. 682,483, dated September 10, 1901.

Application filed May 11, 1901. Serial No. 59,769. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER DAMAS MORESI, a citizen of the United States, residing at Jeanerette, in the parish of Iberia and State of Louisiana, have invented certain new and useful Improvements in Well-Strainers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention pertains to certain improvements in well or pump strainers, more particularly for Artesian wells.

It provides for admitting into the well tubing or casing a greater amount of water in a given time than heretofore obtainable; also, to guard against the impairment, mutilation, or tearing off the strainer-cloth from the well tubing or casing, as in boring or sinking the well or tubing, especially in coarse sand, gravel, &c.

It consists of the detailed construction, combination, and arrangement of parts, substantially as hereinafter more fully disclosed, and specifically pointed out by the claim.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a side view thereof. Fig. 2 is a cross-section, and Fig. 3 is a longitudinal section of the same.

Latitude is allowed herein as to details, as they may be changed or varied at will without departing from the spirit of my invention and the same yet remain intact and be protected.

In carrying out my invention I produce the well tubing, casing, or pipe 1 with numerous holes or perforations throughout, rendering it substantially foraminous, as shown, for the ready or unobstructed inflow or admission of water.

Suitably wound or coiled upon the perforated or foraminous pipe 1 and soldered thereto is a wire 2, with its helices or coils

standing about half an inch apart or farther apart or nearer apart, as may be required. Over these wire coils is preferably soldered a brass wire gauze or cloth 3 to obstruct the passage of any foreign substances in the water and yet admit the water to and through the foraminous pipe or tubing. The interposition of the wire or wire coils 2 between said pipe or tubing and wire-cloth removes said wire-cloth or strainer proper from contact with said tubing, and thus lessens the liability of the clogging or obstructing the straining action of the wire-cloth and permits the maximum utilization of the straining capacity of said wire-cloth. A second wire 4, usually No. 8, 10, or 12 gage, suitably secured or soldered to the tubing or pipe 1, is wound or coiled upon the wire-cloth or strainer 3, preferably in the opposite or reverse direction to that of the coiling or winding of the wire 2 upon the pipe 1, thus providing for effectually guarding said wire-cloth or strainer against its impairment or being detached by the gravel or coarse sand, as in sinking or boring the well.

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

A well, &c., strainer, comprising a foraminous or perforated pipe or tubing having a wire wound or coiled and secured thereon, a wire-cloth or strainer secured over the coils of said wire, and a second wire coiled or wound over the wire-cloth and the coils of the inner wire and secured upon said wire-cloth or strainer, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER DAMAS MORESI.

Witnesses:

M. NEUROHR,  
CHRIS ANDREWS.