

(No Model.)

J. E. PATTISON.

DEVICE FOR CLEANING CISTERNS.

No. 307,326.

Patented Oct. 28, 1884.

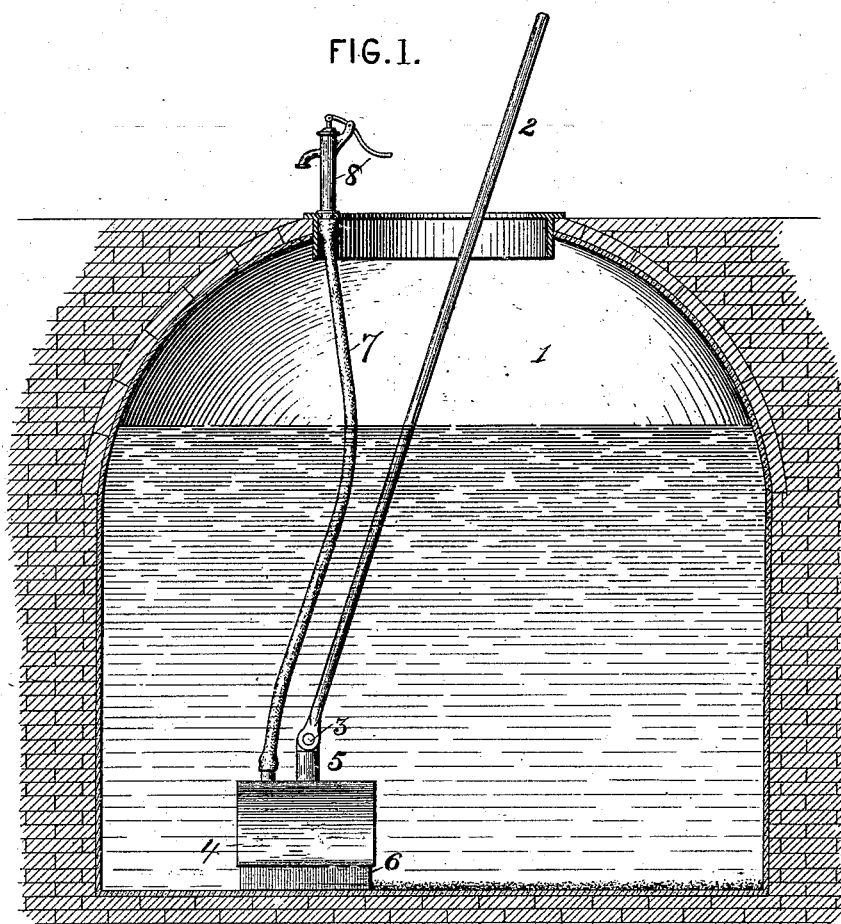
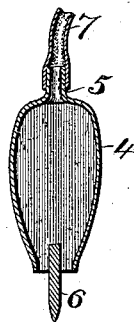


FIG. II.



ATTEST.

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# UNITED STATES PATENT OFFICE.

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## DEVICE FOR CLEANING CISTERNS.

SPECIFICATION forming part of Letters Patent No. 307,326, dated October 28, 1884.

Application filed February 7, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN E. PATTISON, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Devices for Cleaning Cisterns, Tanks, &c., of which the following is a specification.

This invention relates, primarily, to devices for removing sediment from the bottoms of underground cisterns and tanks; but it may be used on any cistern or tank containing water, juice, or other liquid, and whether above or below the surface of the ground.

For the purpose above indicated I employ an implement capable of manipulation to reach every part of the bottom of the cistern or tank, to loosen the sediment and to forcibly withdraw it without materially disturbing or wasting the purer contents of the receptacle.

In order that my invention may be fully understood, I will proceed to describe it with reference to the accompanying drawings, in which—

Figure I is a sectional view of a cistern with my improved cleaner applied. Fig. II is a cross-sectional view of the head of the cleaning implement.

1 may represent any under or over ground cistern or tank containing liquid from which it is desired to remove the sediment.

2 is the manipulating-staff of my improved cleaning implement, made of sufficient length to reach any portion of the cistern, and jointed at 3 to a hollow metallic head, 4, or a projection, 5, therefrom. The joint 3 is provided to enable the head 4 to follow the contour of the bottom of the cistern in the different angular positions of the operating-staff. The head 4 is open at bottom on both sides of a brush or

scraper, 6, which is made of such flexibility as to close over that opening which is for the time being in the rear of the motion of the brush. While the head is in motion, then, over the bottom of the cistern, the sediment will be banked up before the brush and be drawn into the head through the opening immediately over it, passing thence through flexible tube 7 to hand-pump 8, which may be of any ordinary construction.

It will be seen that with the apparatus here described the operator is enabled to reach any portion of the bottom of the cistern, and will not be impeded in working the implement by any unevenness of surface or any obstruction.

In applying the apparatus to a cistern having the ordinary chain-pump the head of the pump may be temporarily removed or pushed to one side to give room to operate.

Should a common lift-pump be employed on the cistern, the pipe of the cistern can be cut and removed and the hose of my cleaner slipped on, the same pump being used for elevating the sediment.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In combination with a pump for elevating the sediment, a movable implement provided with a brush or scraper, as and for the purpose set forth.

2. In combination with a manipulating-staff, a hollow head jointed thereto, a flexible tube, and means for elevating the sediment, substantially as shown and described.

JOHN E. PATTISON.

Witnesses:

CHAUNCEY TYLER,  
H. M. HYAMS.