(No Model.)

M. H. LEVETT.

SEDIMENT TRAP AND SOLUTION CLARIFIER.

No. 369,457. Patented Sept. 6, 1887.

Fig. 1.

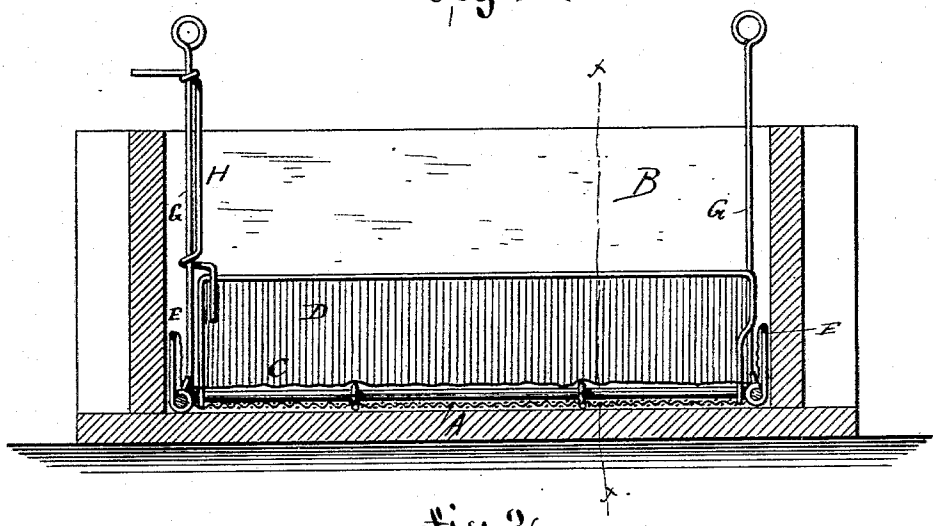


Fig. 2.

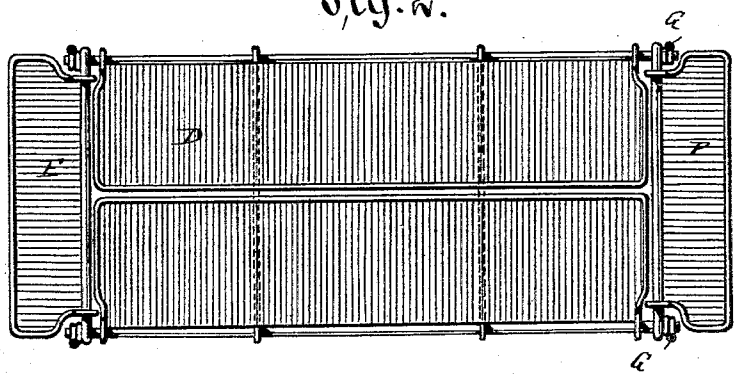
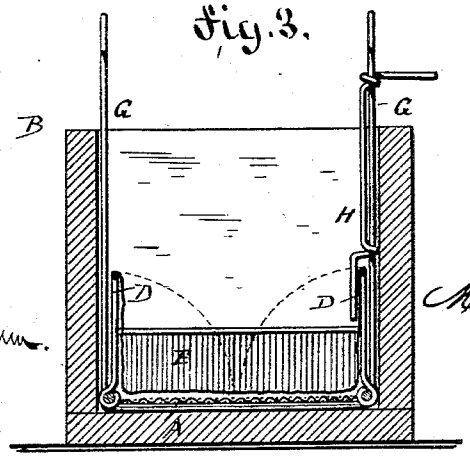


Fig. 3.



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UNITED STATES PATENT OFFICE.

MORRIS H. LEVETT, OF NEW YORK, N. Y., ASSIGNOR OF ONE-THIRD TO LOUIS LEVETT, OF SAME PLACE.

SEDIMENT-TRAP AND SOLUTION-CLARIFIER.

SPECIFICATION forming part of Letters Patent No. 369,457, dated September 6, 1887.

Application filed May 20, 1887. Serial No. 238,830. (No model.)

To all whom it may concern:

Be it known that I, MORRIS H. LEVETT, of the city, county, and State of New York, have invented certain new and useful Improvements in Sediment-Traps and Solution-Clarifiers, of which the following is a specification.

A greater or less quantity of sediment accumulates in the bottom parts of the tanks containing electroplating solutions, and it requires considerable time and labor to remove this sediment and keep the tank clean. If the sediment is not all thoroughly removed, and this is sometimes impossible, the liquid conducted into the tank is rendered turbid.

The object of my invention is to provide a new and improved device for removing the sediment from said tanks in such a manner as to keep the solution clear.

The invention consists in a wire-netting frame covered with fabric and provided with folding sides and ends and upwardly-projecting bars or rods, by means of which it can be lifted out of the tank and replaced in the same.

The invention also consists in the construction and combination of parts and details, as will be fully described and set forth hereinafter, and then pointed out in the claims.

In the accompanying drawings, Figure 1 is a longitudinal sectional view of a tank and my improved sediment-trap in the same. Fig. 2 is a plan view of the sediment-trap. Fig. 3 is a cross-sectional view on the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The flat wire-netting frame A, which is of such size that it can pass freely into the plating-tank B, and cover the entire bottom of the same, is suitably braced and stiffened by means of rods, &c., and is covered by a layer, C, of fabric. To each side edge of the frame a wing, D, is pivoted in such a manner that it can be folded down upon the frame, said wing-frames being merely covered with fabric. Like wings, E, are hinged to the ends of the frame A, and are mounted to swing outward, or may be mounted to swing inward and upon the top of the frame.

At the corners of the frame A rods G project upward above the top edge of the tank, and are used to lift the frame out of the tank or to pass it into the same. On said corner rods, G, the latches H are provided for the purpose of holding the wings D in the vertical position. The lower ends of the latches hold the wings, and the upper ends of the latches are at or near the upper ends of the rods. The latches are shown as mounted to turn, but may be mounted to slide.

The operation is as follows: The wings D and E are adjusted to stand vertically, the side wings being locked in place by means of the latches. The frame A is placed upon the bottom of the tank and the plating operation proceeds in the usual manner. The sediment from the solution, &c., accumulates on the top of the fabric on the frame, and when sufficient sediment has been deposited the latches are disengaged from the wings D, which are then folded down upon the sediment, and then the entire device and the sediment on the same is removed from the tank, the sediment washed off, and the trap can again be used, and so on.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A sediment-trap for plating-tanks, consisting of a wire-netting frame covered with fabric and provided with folding side and end wings, substantially as herein shown and described.

2. A sediment-trap for plating-tanks, consisting of a wire-netting frame covered with fabric having folding wings on the sides and ends and upwardly-projecting rods at the corners, substantially as herein shown and described.

3. A sediment-trap for plating-tanks, consisting of a netting-frame covered with fabric provided with wings on the sides and ends, upwardly-projecting rods at the corners, and latches on said rods, substantially as herein shown and described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

MORRIS H. LEVETT.

Witnesses:
OSCAR F. GUNZ,
SIDNEY MANN.