(No Model.)

H. C. PRICE.

APPARATUS FOR WASHING PHOTOGRAPHIC PLATES.

No. 276,875. Patented May 1, 1883.

Fig. 2.

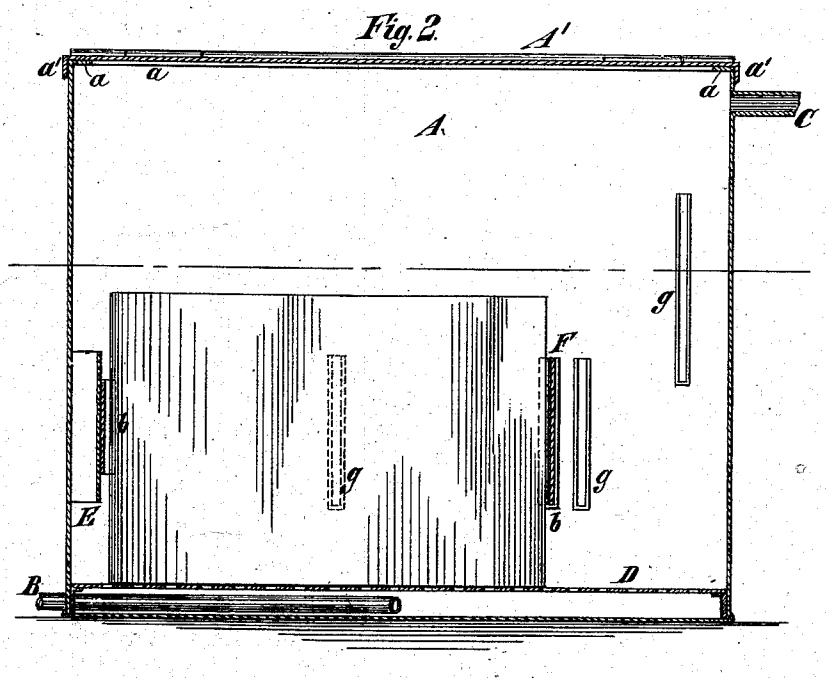
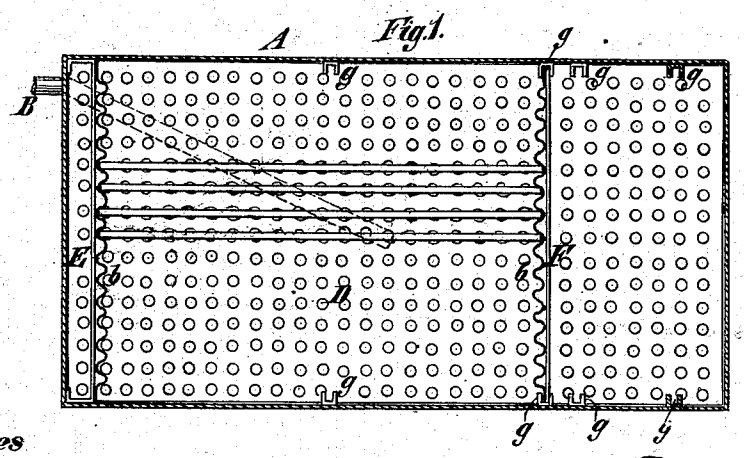


Fig. 1.



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UNITED STATES PATENT OFFICE.

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APPARATUS FOR WASHING PHOTOGRAPHIC PLATES.

SPECIFICATION forming part of Letters Patent No. 276,875, dated May 1, 1883.

Application filed January 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, H. CLAY PRICE, of Montclair, in the county of Essex and State of New Jersey, have invented a certain new and useful Improvement in Apparatus for Washing Photographic Plates, of which the following is a specification.

The improvement consists in the combination, in an apparatus for washing photographic plates, of a vessel provided with racks adapted to receive the plates in an upright position between them, and to hold the plates at opposite edges only, a perforated false bottom below the racks, and on which the lower edges of the plates may rest, a pipe communicating with the vessel below the perforated false bottom for conveying water to the vessel, and a pipe leading from the upper part of the vessel for conveying away the waste water.

The improvement also consists in the combination, in an apparatus for washing photographic plates, of a vessel and racks for holding photographic plates, and one or both capable of adjustment to adapt them to hold photographic plates of different sizes.

The improvement also consists in the combination, in an apparatus for washing photographic plates, of a vessel, a cover forming a double lapped joint with the vessel when closed, and racks for holding the photographic plates.

In the accompanying drawings, Figure 1 is a plan of an apparatus embodying my improvement for washing photographic plates, the cover being thrown back; and Fig. 2 is a longitudinal section of the same.

Similar letters of reference designate corresponding parts in both figures.

A designates a vessel, which is shown as of rectangular form, and will preferably be made of zinc or analogous material. It is provided with a cover, A′, which is hinged in place at one side or end, and may be fastened at the opposite side or end when closed. As here shown, the sides or ends of the vessel are provided at the upper edge with an inwardly-extending flange, *a*, and the edges of the cover, except that edge which is connected by the hinges to the vessel, are provided with a downwardly-extending flange or rim, *a′*, so that a double lapped joint is formed between the vessel and the cover.

B designates a pipe leading to the lower part of the vessel for conducting a stream of water thereto, and C designates a pipe extending from the upper part of the vessel, and serving to convey away the water after it has passed through the vessel. The pipe B may be connected to any suitable service-pipe, and the pipe C may be connected to any waste-water or sewer pipe.

D designates a perforated false bottom extending across the vessel just above the inlet-pipe B. This serves to effect the distribution of the incoming water uniformly throughout the vessel.

E F designate racks designed for holding photographic plates. As shown, they severally consist of strips of zinc or analogous metal having corrugated strips of the same material affixed to their faces. They may, however, be constructed of any suitable material and in any other manner which will result in the formation of grooves *b*, capable of receiving the opposite edges of the photographic plates. The rack E is shown as affixed permanently within the vessel; but the rack F is adjustably secured in the vessel, so that it can be changed to different positions to receive plates of different sizes between it and the rack E.

The sides of the vessel are provided with slideways *g*, into which this rack F may be inserted. When small plates are to be washed, the rack F is inserted in the slideways nearest to the rack E, and if a larger plate is to be washed, the rack F is inserted in slideways farther from the rack E. Both racks may be adjustable, if desirable. The plates while held in these racks rest upon the false bottom D. Water admitted to the vessel is distributed by the false bottom throughout the vessel, and after circulating around the plates passes off. The plates are held by the racks, so that they will not make contact, and in such manner that the water can thoroughly act upon them.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In an apparatus for washing photographic plates, the combination of a vessel provided

with racks adapted to receive the plates in an upright position between them, and to hold the plates at the opposite edges only, a perforated false bottom below the racks, on which the lower edges of the plates may rest, a pipe communicating with the vessel below the perforated false bottom for conveying water to the vessel, and a pipe leading from the upper part of the vessel for conveying away the waste water, substantially as specified.

2. In an apparatus for washing photographic plates, the combination of a vessel and racks for holding photographic plates, and one or both capable of adjustment to adapt them to hold photographic plates of different sizes, substantially as specified.

3. In an apparatus for washing photographic plates, the combination of a vessel, a cover forming a double lapped joint with the vessel when closed, and racks for holding the photographic plates, substantially as specified.

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Witnesses:
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