

No. 628,917.

Patented July 18, 1899.

C. W. BLODGET.

PHOTOGRAPHIC WASHING APPARATUS.

(Application filed Dec. 17, 1898.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1,

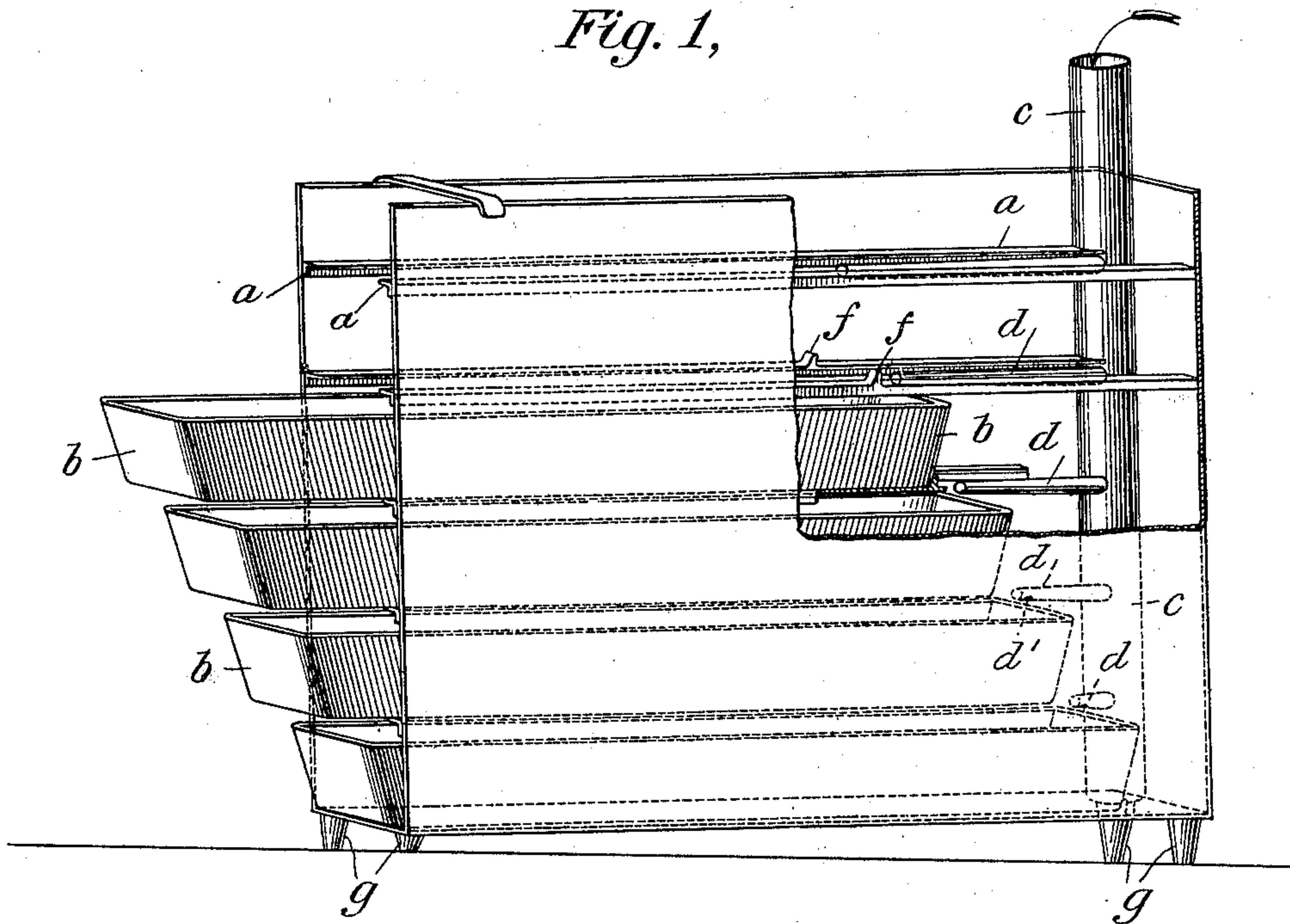
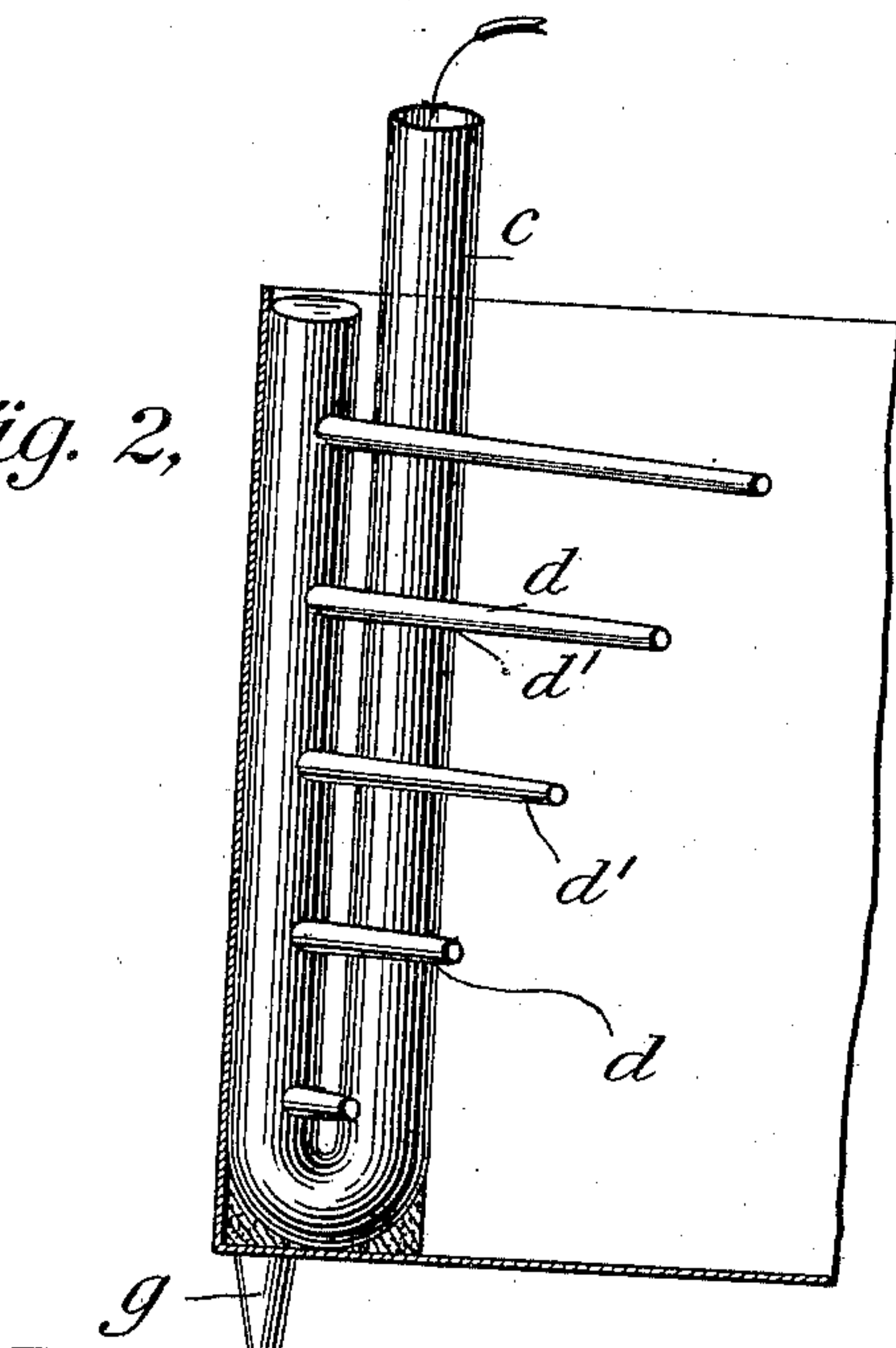


Fig. 2,



WITNESSES:

C. E. Ashley
C. D. Lacey

INVENTOR:

Charles W. Blodget
By his Attorneys
Baldwin, Davidson & Wright

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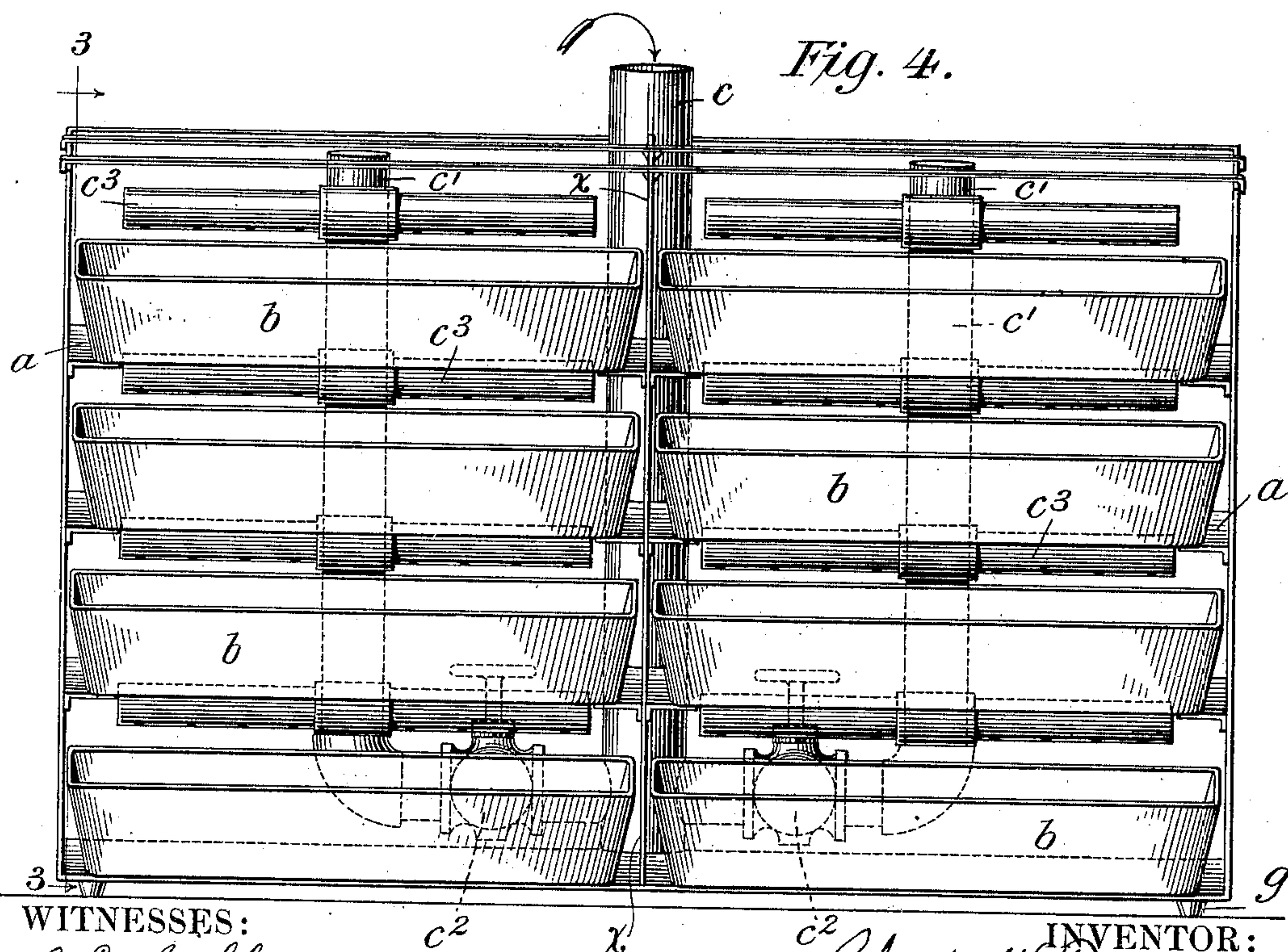
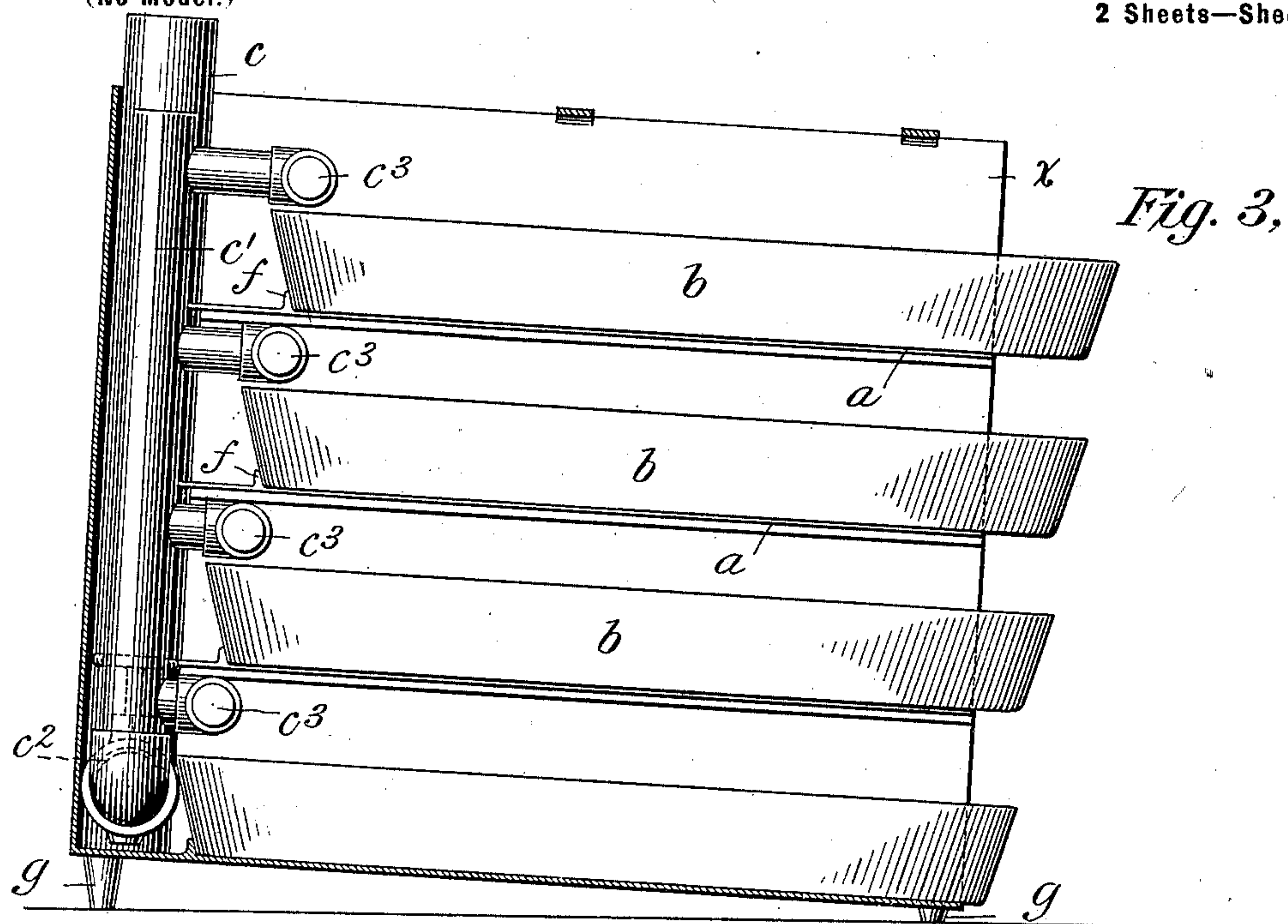
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UNITED STATES PATENT OFFICE.

CHARLES W. BLODGET, OF NEW YORK, N. Y.

PHOTOGRAPHIC WASHING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 628,917, dated July 18, 1899.

Application filed December 17, 1898. Serial No. 699,565. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. BLODGET, a citizen of the United States, residing in New York, borough of Manhattan, State of New York, have invented certain new and useful Improvements in Apparatus for Washing Photographic Negatives and Prints, of which the following is a specification.

The object of my invention is to provide a convenient and efficient device wherein a number of films, prints, or plates may be washed at the same time and each have an independent water supply and discharge, and wherein the operator may readily tell when the proper washing of the films and prints is completed.

In the accompanying drawings, which show my invention embodied in a convenient and practical form, Figure 1 is an elevation in perspective, partly broken away; Fig. 2, a detail sectional view therethrough; Fig. 3, a section on the line 3 3 of Fig. 4; and Fig. 4, a front elevation, Figs. 3 and 4 showing a modified construction.

In the device as I have elected to illustrate it in Figs. 1 and 2 and as I prefer to make it on account of convenience and compactness of structure the trays to contain the negatives are arranged in a single vertical series.

The apparatus consists of a casing or tray support which may have a solid bottom, a solid back, and two opposite solid sides. The front and top may be open, as shown. Along the sides I arrange a series of ledges *a*, forming guides or slideways for the reception or support of the trays *b*. In one of the inner corners of the casing is a vertical water-pipe *c*, which extends down to the bottom of the casing and then turns upwardly. From the latter portion extend a series of nipples *d*, one for each tray or receptacle, so arranged, as shown, that the nipple projects over the edge of the tray that may be placed immediately beneath it. Each nipple is preferably closed at its end and formed with an outlet *d'* on its under side near its end, so that the water is discharged downwardly into the corner of the tray. The highest nipple in the series is the longest, the next one below somewhat shorter, and so on throughout the entire series. Stops *f* in each slideway may be provided to limit the inward movement of

the tray, so that the top tray shall project farther from the casing or support than the next one below it, and so on throughout the series, as indicated in the drawings. In each case, however, when the tray is slid into the limit of its movement its inner edge passes under the discharge-orifice of its nipple. The bottom of the casing on each side of the corner occupied by the water-pipe has feet or projections *g*, which give the apparatus such a tilt or inclination that the water entering the inner corner of the pan will overflow diagonally at the opposite outer corner. The top of the water-pipe may have attached to it a rubber tube communicating with a water-supply, or a funnel may be connected therewith and water supplied to the funnel by a pipe, faucet, or otherwise. The trays, each with a negative or print therein, may be placed in position and the water turned on. The discharge from the corner of each tray runs to waste without falling into any tray beneath it, and the operator may therefore tell at a glance by the color of the discharge from each tray when the film or print therein is sufficiently washed. With the arrangement shown if it is only desired to wash one print or negative the bottom tray alone may be used and only sufficient water admitted to the stand-pipe to supply the lowest nipple.

In Figs. 3 and 4 a modified construction is shown wherein more than one tray is arranged in the same horizontal plane, two vertical series being shown. In this construction the stand-pipe *c* may be arranged centrally at the rear of the casing and have two rising branches *c' c'*, and each may have in it a cock or valve *c²*. Each rising branch has connected to and supported by it a series of horizontal discharge-pipes *c³*, arranged at different distances from it and having discharge-orifices in their under faces. The apparatus may be used as already described. I prefer that, as shown, it shall incline merely from the back to the front and not diagonally, as in Fig. 1. In this construction a central wall or diaphragm *x* is provided to carry the shelves or guideways.

I claim as my invention—

1. A photographic plate or print washing apparatus, comprising a holder adapted to receive a series of independently-removable

trays, a water-pipe having a series of independent outlets, one for each tray and the trays being arranged so that the water overflowing from one tray does not enter any of the other trays.

2. In a photographic plate or print washing apparatus, the combination of a casing or support having a series of vertically-arranged slideways, each adapted to receive an independently-removable tray, a water-supply pipe having a series of water-discharge nipples one for each tray, the organization being such that the top tray projects from the casing farther than the one beneath it and so on through the entire series, substantially as and for the purpose set forth.

3. A photographic plate or print washing apparatus comprising a casing with a vertical series of slideways for the reception of trays, a water stand-pipe located within the casing at one corner thereof and having laterally-projecting nipples of gradually-decreasing length from the top nipple to the lowest one, whereby trays of the same length may be arranged so that the upper one will

project from the casing farther than the one beneath it and so on throughout the entire series.

4. In a photographic plate or print washing apparatus, a casing having a vertical series of slideways for the reception of trays, a stand-pipe arranged at an inner corner of the casing and having a series of discharge-nipples, one for each tray, the nipples of the series being of gradually-decreasing length from the top downwardly, and the casing being inclined downwardly from the stand-pipe toward the diagonally opposite corner, substantially as and for the purpose set forth.

5. A plate or print washing apparatus having a casing with means for supporting a series of trays so that the overflow from one does not enter another and means for supplying water to each tray individually.

In testimony whereof I have hereunto subscribed my name.

CHARLES W. BLODGET.

Witnesses:

JAS. C. NIGHTINGALE,
WM. W. CHESHIRE.