

(No Model.)

W. H. LEIGH.
PHOTOGRAPHIC PRINT WASHER.

No. 605,229.

Patented June 7, 1898.

FIG. 1.

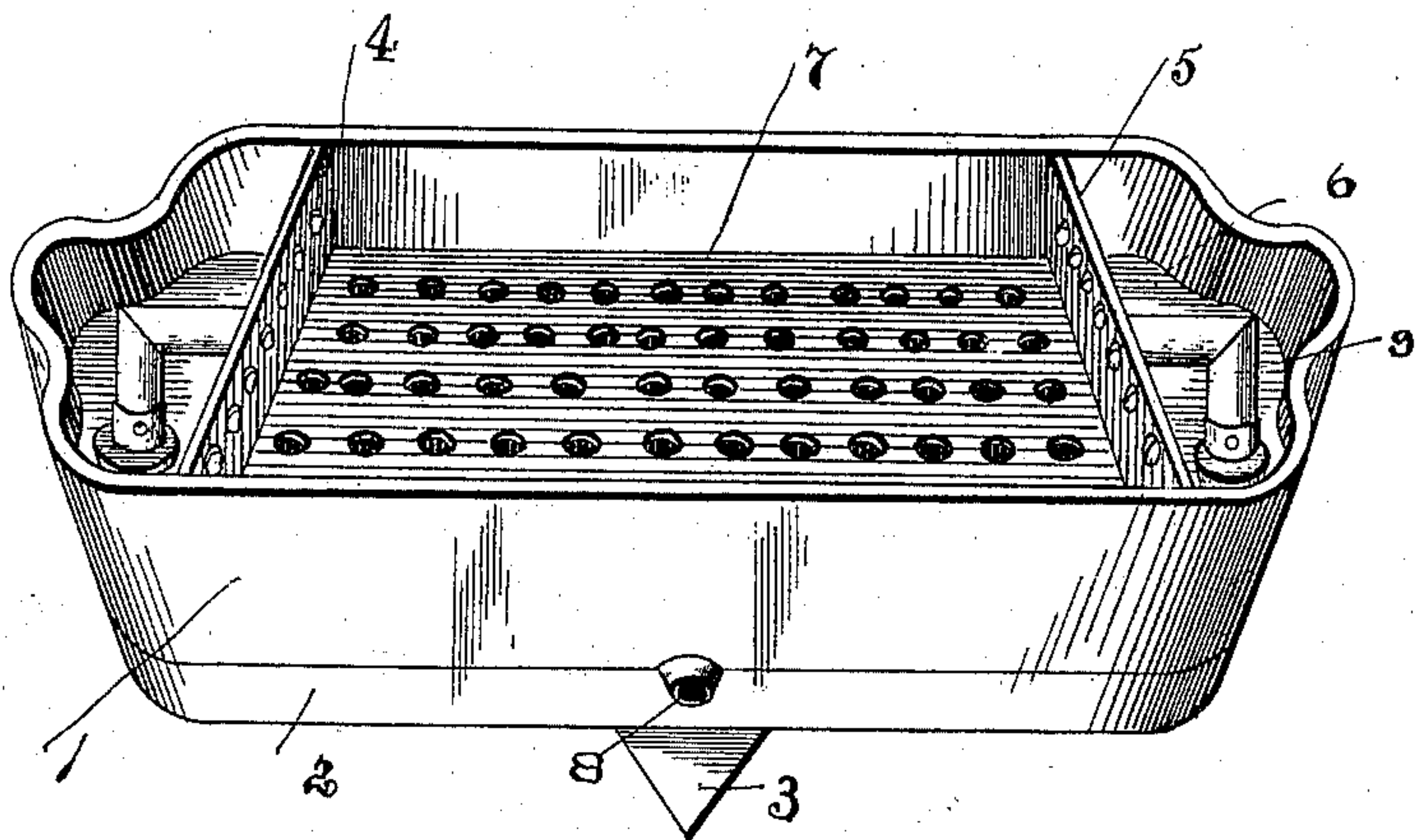
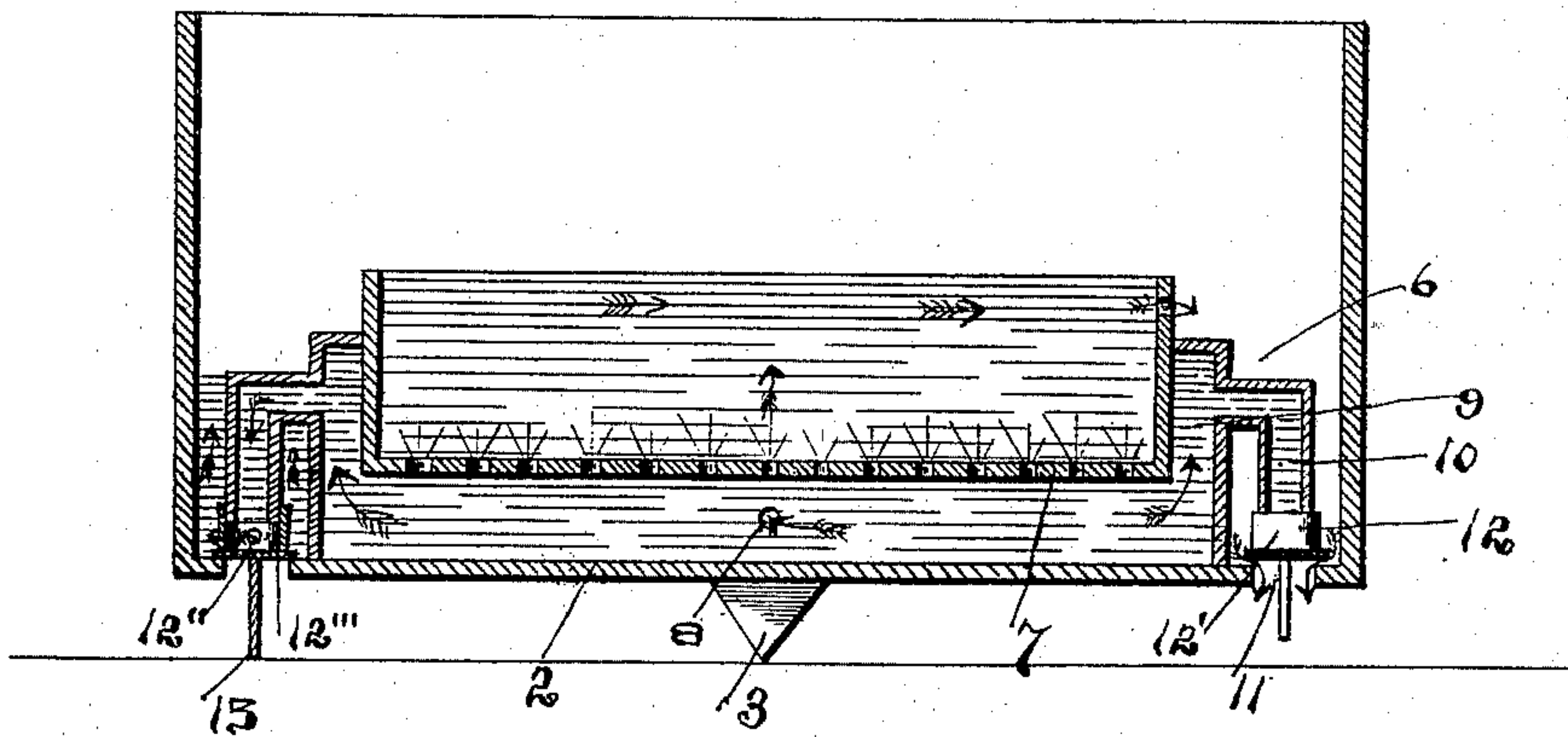


FIG. 2.



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PHOTOGRAPHIC-PRINT WASHER.

SPECIFICATION forming part of Letters Patent No. 605,229, dated June 7, 1898.

Application filed June 9, 1897. Serial No. 640,053. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HARVEY LEIGH, of Beaver Falls, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Washers; 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 relates to photographic-print washing-trays.

My object is to provide a device of the class described which will be adapted to automatically keep the water in circulation, so that the prints will not settle to the bottom of the tray, but will be floated around in the water and a perfect washing action obtained.

Having the foregoing object in view, the invention consists of a photographic-print washing-tray whose construction will appear more fully hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of the device, and Fig. 2 a longitudinal section thereof.

The numeral 1 designates the body of the tray. Extending transversely of the main bottom 2 of said tray is a knife-fulcrum 3. There are two transverse partitions 4 at the ends of the tray, which are provided with rows of perforations 5 near their top edges. It will be seen that two pockets 6 are provided at the ends of the tray.

The numeral 7 designates a false perforated bottom located slightly above the main bottom, and 8 is an inlet which leads in between the main and false bottoms. Vertical pipes 9 are in communication with the space between the two bottoms and are located in the respective pockets. There are two outlet-pipes 10, which connect with the pipes 9 near the top 2 and extend downwardly adjacent to outlet or discharge openings 11 in the bottoms of the pockets.

The numerals 12 designate the piston-valves, each comprising a sleeve 12', with slides on the lower end of the pipe 10, and is provided with a perforation 12'' and a head 12''' which is adapted to seat over the opening 11. The valve has a depending stem 13.

The water circulates as indicated by the arrows in Fig. 2. The water entering through

the inlet fills the space between the main and false bottoms and also rises through the perforations in the false bottom and into the pipes 9. The device being tipped to one side on its knife-fulcrum, the valve-stem of the side tipped strikes against a table or support on which the tray is located, thereby raising the piston-valve, which causes the flow through pipe 10 to be stopped, and at the same time the head of the valve unseats, and the water which has passed into the pocket is then discharged. The valve at the other side of the device being actuated by gravity closes the outlet on that side and also allows the water to flow into the pipes 9 and 10 and into the pocket. When the water becomes of sufficient weight to cause the tray to be depressed, the valve-stem strikes against the support, and the water from the pocket which is filled is discharged, the overflow of the tank between the partitions meanwhile passing into the pocket at the other end of the tray. This automatic action is kept up as long as the water is supplied to the device. It will be seen that the water rises and circulates as the device is being rocked, so that the prints cannot settle to the bottom of the tray and by being rocked gently and kept floated are properly treated in the shortest possible time.

There are many slight changes which could be resorted to in carrying out my ideas, and hence it is to be understood that I reserve the right to make all changes which properly come within the spirit and scope of the invention.

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

1. In a device of the class described, the combination with a rockably-mounted tray, of partitions extending thereacross which have overflow-openings near their upper edges that lead into the pockets formed by said partitions, and valves unseated when the tray is rocked to discharge the fluid from the pocket filled.

2. The herein-described device comprising a tray, a perforated false bottom therefor, partitions in the tray which divide the same into a central tank and end pockets, pipes leading from the space between the main and

false bottoms into the pockets and provided with open ends, pockets having outlet or discharge openings, valves adapted to close the openings of the pipes and the outlet-openings
5 aforesaid, said valves having tripping-stems which extend through the outlet-openings, and a fulcrum located intermediate the ends of the tray.

3. The combination with the rockably-
10 mounted tray having transverse partitions near each end with perforations near their upper edges, a perforated false bottom with an outlet between the bottoms, vertical pipes located between the said partitions and ends
15 of the tray and connecting with the space between the two bottoms, outlet-pipes connected with the said pipes and extended downwardly with their lower ends over openings in the bottom of the tray, and valves slidingly
20 mounted on the outlet-pipes and provided

each with a perforation, a head and a depending stem, all substantially as shown and described.

4. The combination of a tray having partitions and perforated false bottom, the outlet-pipes and the sleeves surrounding the same and provided each with a perforation in its side wall, a bottom adapted to close the end of the pipe and an opening in the bottom of the tray, and a stem depending from the
25 said bottom and through the opening in the bottom of the tray, substantially as and for the purpose specified.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.
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WILLIAM HARVEY LEIGH.

Witnesses:

HIRAM MCKEE,
OTTO KURZBUN.