F. W. QUIDAS.

DEVELOPING TRAY.

APPLICATION FILED JUNE 18, 1913.

1,103,076. **Patented July 14, 1914.**

Fig. 1

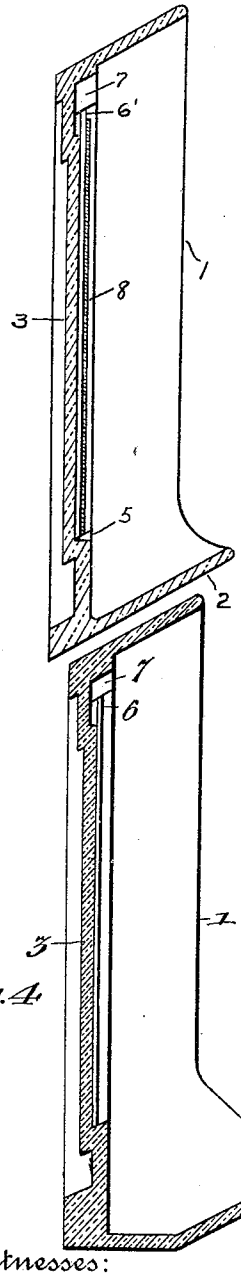


Fig. 4

Fig. 2

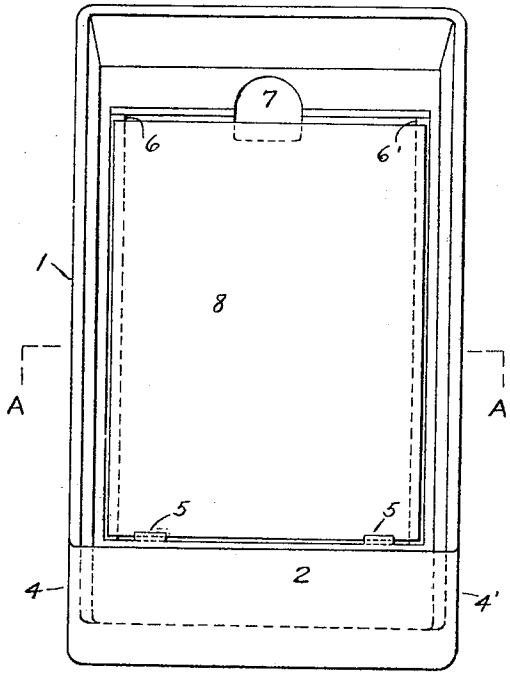
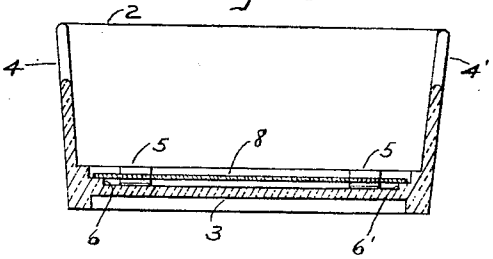


Fig. 3



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DEVELOPING-TRAY.

1,103,076. Specification of Letters Patent. Patented July 14, 1914.

Application filed June 18, 1913. Serial No. 774,405.

To all whom it may concern:

Be it known that I, FREDERICK W. QUIDAS, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Developing-Trays, of which the following is a specification.

My invention relates to developing trays.

The object of my invention is to produce a tray which will be of simple design and so constructed that one end wall in conjunction with the adjacent side walls will form a reservoir from which the plunger, which is used in pressing or molding the tray in shape, can be easily withdrawn; an important feature for the cheap manufacture of trays of such design. The reservoir in question thus formed will act as a receptacle for the fluid when tray is placed in an upright position for the inspection of the plate or film during process of development or other treatment.

It also has the further advantage of acting as a shield against splashing of the fluid against the operator's body while the tray is held in the hand and rocked during development.

Furthermore, the special construction of the reservoir permits the inside to be easily kept clean, a highly important factor when dealing with different chemicals necessary to produce the required result in plate development or other operations.

Referring to the drawings: Figure 1 shows a cross section view. Fig. 2, a plan view. Fig. 3, a cross section view on line A A. Fig. 4, shows a cross section view of a modified form of tray.

By referring to the drawings, in which like reference characters designate corresponding parts, 1 is the tray proper and may be of any substance, preferably of glass or other transparent material, so that the progress of development of plate or film can be observed by viewing through said plate or film and through bottom 3 at the same time.

The slanting portion 2 or lower end wall of tray makes an acute angle with plane of bottom 3 of the tray and extends outward far enough so as to form with sides 4 and 4′, a reservoir having a cubical capacity equal or slightly more than equal to the volume of fluid necessary to cover or submerge the plate or film 8 while the tray lies flat. When the tray is tilted vertical or nearly so, the fluid which had previously covered the plate or film 8 will find ample room in the reservoir formed by the said slanting portion 2, bottom 3 and side walls 4 and 4′.

On the inside of tray at the bottom and upper part of reservoir, lugs 5 are located on which plate or film 8 rests, when the tray is tilted vertically while the progress of the development or treatment of plate or film is being observed by viewing through plate or film and bottom of tray, against the proper light.

At 6 and 6′ are shown cleats on both sides of tray at bottom, for the purpose of elevating plate or film above bottom of tray, thus preventing plate or film from adhering by suction, as would be the case if the bottom is made flat or smooth in surface.

At 7 is shown a finger depression for convenience when placing plate or film in the tray and for gripping said plate or film for removal after all operations are complete.

In Fig. 4, is shown a base 9, which is a portion of the lower end wall formed at right angles to the bottom of the tray, and of sufficient width to support the tray when stood in an upright position. At the end of the base 9, the same end wall is made to incline toward the bottom for the same purpose as heretofore described with the slanting portion 2.

I do not wish to limit myself to the exact forms shown herein, as it is clearly manifest that slight alterations in form could be made without departing from the spirit and scope of my invention.

I claim:

A photographic tray having one of its end walls inclined toward the bottom and with the adjacent sides and bottom forming a reservoir, substantially as described.

FREDERICK W. QUIDAS.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."