

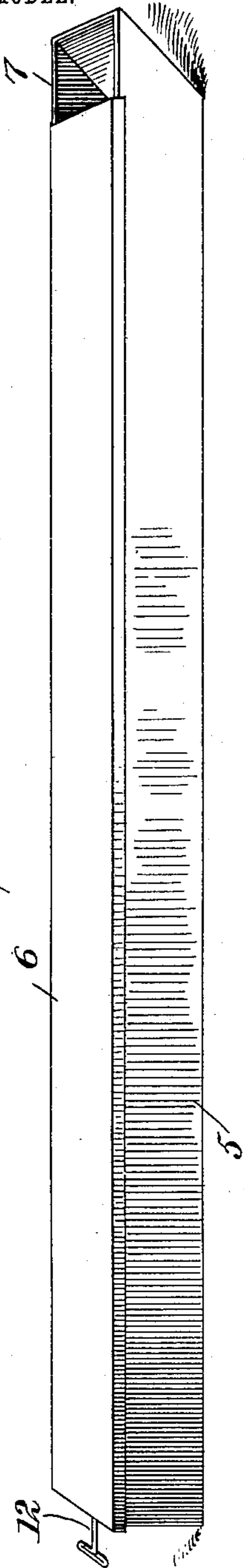
W. H. C. DUDLEY, JR.

DEVELOPING TRAY.

APPLICATION FILED JUNE 3, 1903.

NO MODEL.

Fig. 1.



WITNESSES:

William P. Goebel.
C. R. Ferguson

Fig. 2.

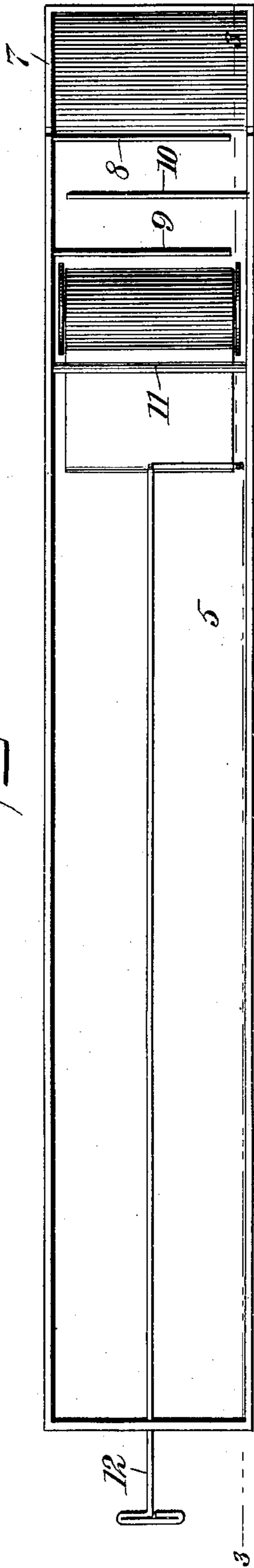


Fig. 3.

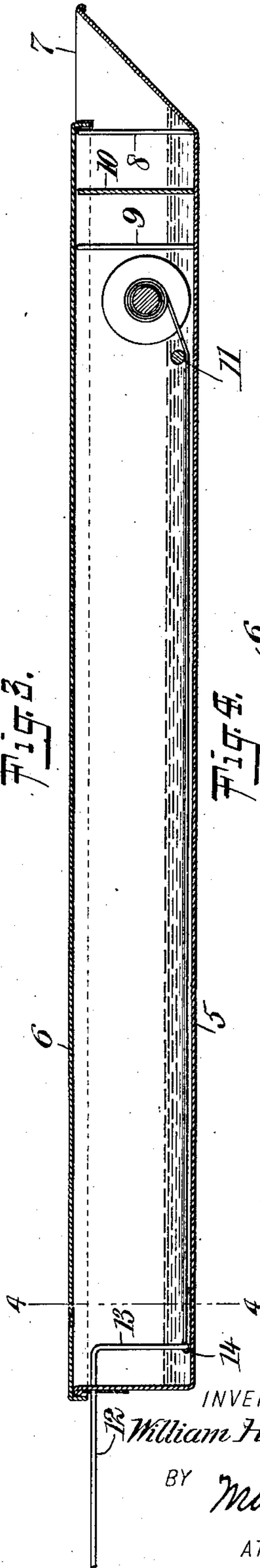
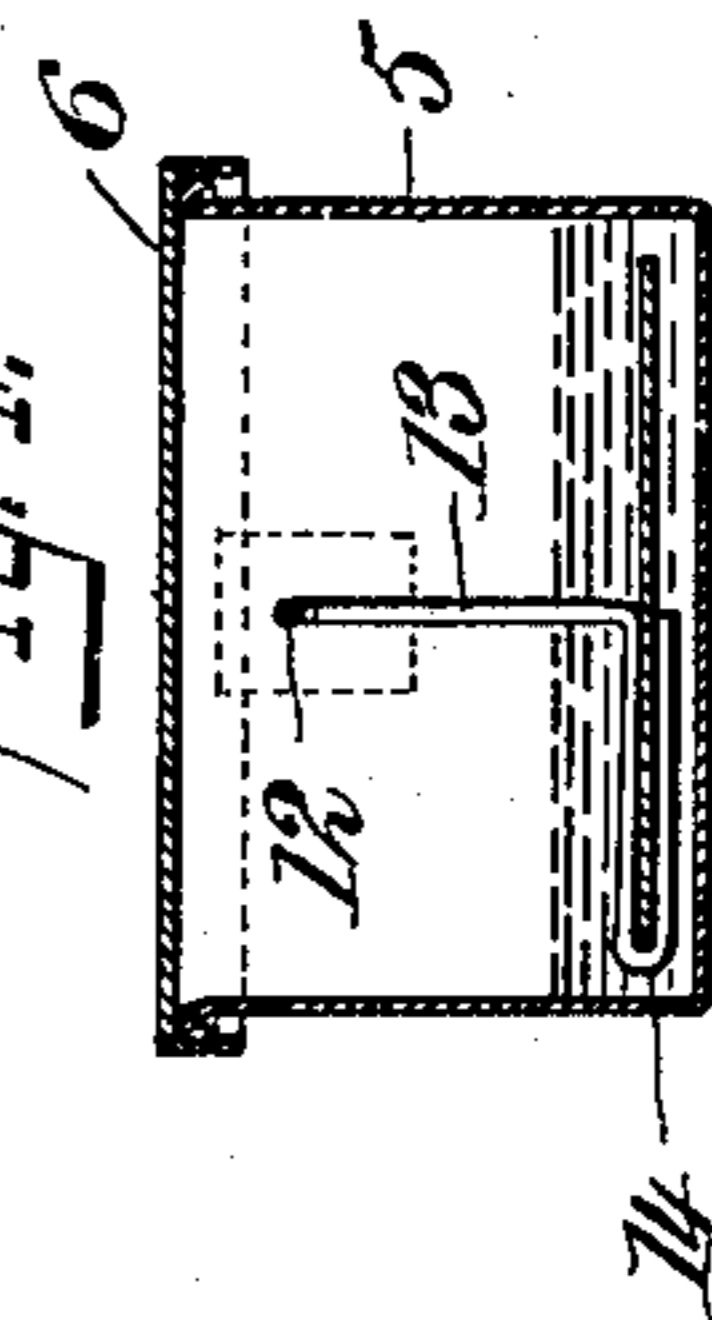


Fig. 4.



INVENTOR

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WILLIAM H. C. DUDLEY, JR., OF AMERICUS, GEORGIA.

DEVELOPING-TRAY.

SPECIFICATION forming part of Letters Patent No. 740,828, dated October 6, 1903.

Application filed June 3, 1903. Serial No. 159,900. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. C. DUDLEY, Jr., a citizen of the United States, and a resident of Americus, in the county of Sumter and State of Georgia, have invented a new and Improved Developing-Tray, of which the following is a full, clear, and exact description.

This invention relates to improvements in trays for developing photographic films, an object being to provide a developing-tray of simple and inexpensive construction particularly adapted for outdoor or daylight developing and with which the work may be quickly and easily done with a comparatively small amount of solution.

I will describe a developing-tray embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a developing-tray embodying my invention. Fig. 2 is a plan view thereof with the cover removed. Fig. 3 is a section on the line 3 3 of Fig. 2, and Fig. 4 is a section on the line 4 4 of Fig. 3.

The developing-tray consists of a box-like body portion 5, formed of any suitable material and having a removable cover 6. At one end of the tray is a spout 7, through which liquid may be poured, and inward of this spout is a trap so constructed as to permit the entrance and outflow of liquid, but which will prevent the inlet of light. This trap consists of partitions 8 9, extended from one side of the tray to nearly the opposite side, and a partition 10 between the partitions 8 9 is extended from said opposite side of the tray to nearly the other side, as clearly indicated in Fig. 2. Inward of the partition 9 and near the bottom of the tray is a rod or roller 11 under which the film passes, as will be hereinafter described.

It will be noted that the cover 6 terminates over the partition 8, leaving the spout 7 open. As a means for drawing the film along the bottom of the tray I employ a draw-rod 12, which slides through an opening in the end wall of the tray. At the inner end this rod is turned downward, as at 13, and then turned

upon itself horizontally, as indicated at 14, to form clamping-jaws for engaging the film. It is to be understood, however, that I do not limit my invention to any particular means for engaging the rod with the film.

In the operation the roll of films is placed in the tray, as indicated in the drawings, the black paper and film being passed under the rod or roller 11 to be engaged with the portion 14 of the draw-rod. The draw-rod is now to be pulled out until it is stopped by the portion 13 coming in contact with the end of the tray. The developing solution is now poured into the spout 7 and the tray rocked for a few seconds in order that the solution may flow evenly over the film. After a sufficient time the developing solution is to be poured out and a fixing solution poured in, where it is to remain the necessary length of time, after which it is poured out, and the film is to be washed in the usual way.

A developing-tray embodying my invention is small and light, and therefore may be conveniently carried with a photographic outfit, so that the films may be developed at the convenience of the operator in a field or other place.

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

1. A developing - tray, comprising a box having a spout at one end, a trap for excluding light at the spout end, a rod or roller extended across the box inward of said trap, there being a space between said rod or roller and the trap to receive a film-roll and a draw-rod movable through an opening in the end wall of the box.

2. A developing - tray, comprising a box having a spout at one end, partitions extended transversely of the box at the spout end, the said partitions being projected from opposite walls and terminating inward of the other wall, a rod extended across the box inward of said partitions, there being a space between the inner partition and said rod to receive a film-roll, a draw-rod movable in the box, and clamping-jaws on the inner end of said rod.

3. A photographic developing-tray, comprising a box, a spout at one end, a removable cover for the box, a light-excluding trap at

the spout end of the box and inward of the
spout, a bar extended across the box inward
of said trap, the end wall of the box opposite
the trap being provided with an opening, and
5 a rod movable in said opening, the said rod
at its inner end being turned downward and
then turned horizontally to form two jaw
members.

In testimony whereof I have signed my
name to this specification in the presence of. 10
two subscribing witnesses.

WILLIAM H. C. DUDLEY, JR.

Witnesses:

N. M. DUDLEY,

W. M. JONES.