W. S. PADDOCK.

Bottle-Filler.

No. 212,494. Patented Feb. 18, 1879.

Fig. 1.

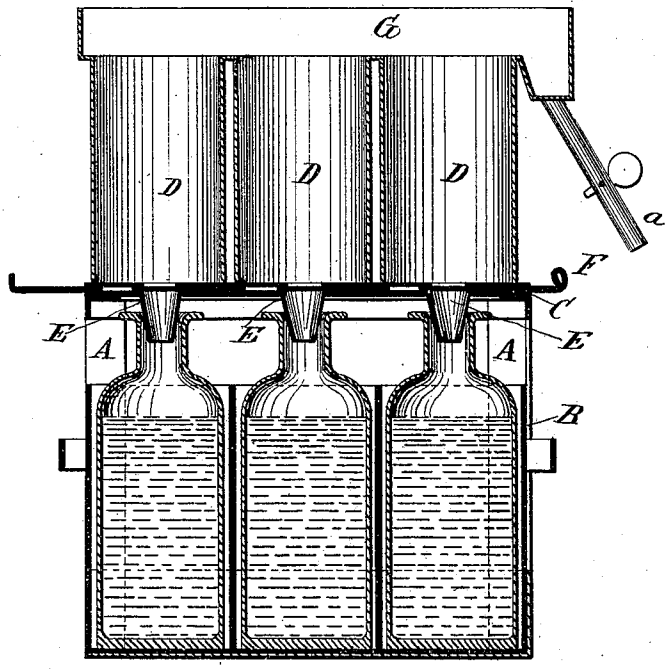
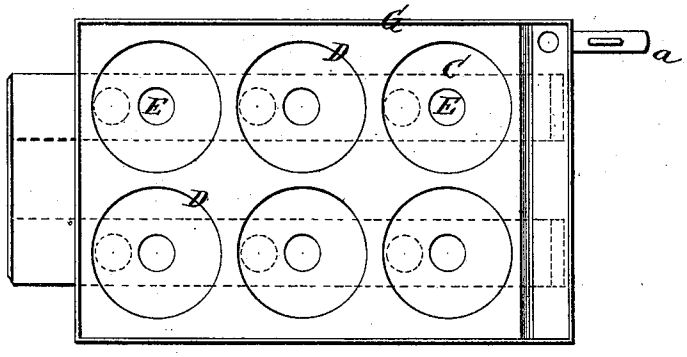


Fig. 2.



WITNESSES:

Achilles Schehl.

C. Sedgwick

INVENTOR:

W. S. Paddock

BY Munn & Co

ATTORNEYS.

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UNITED STATES PATENT OFFICE.

WILLIAM S. PADDOCK, OF ALBANY, NEW YORK, ASSIGNOR TO JAMES C. BUTLER, OF SAME PLACE.

IMPROVEMENT IN BOTTLE-FILLERS.

Specification forming part of Letters Patent No. **212,494**, dated February 18, 1879; application filed July 6, 1878.

To all whom it may concern:

Be it known that I, WILLIAM S. PADDOCK, of the city and county of Albany, and State of New York, have invented a new and Improved Bottle-Filler, of which the following is a specification:

Figure 1 is a longitudinal vertical section of my improved bottle-filler. Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

My invention relates to apparatus for filling bottles; and it consists in a series of measures attached to a common receiver, and provided with valved discharge-nozzles, the said measures being supported in a suitable frame, which is provided with a drawer which contains as many bottles as there are measures.

Referring to the drawings, A is a frame, to which is fitted a drawer, B, which is compartted so as to contain a convenient number of bottles for filling at one time. In the present case there are six.

To the top of the frame A is hinged a plate, C, which forms the bottom of all of the measures D. The number of measures corresponds with the number of bottles in the drawer, and from the bottom of each measure a nozzle, E, projects into the bottle immediately below the measure.

The bottom C, in the present case, is made double, and between the two parts there is an apertured plate or valve, F, which may be moved so as to open or close all of the nozzles E.

I have employed this form of valve in the present case; but I do not confine myself to this construction, as a stop-cock may be placed in each nozzle, and the entire series of cocks may be connected together, so that they may be operated simultaneously.

A receiver, G, is connected with the tops of the measures, and one end of it is made deeper than the main portion to receive the surplus liquid, which is conveyed away in the pipe *a*.

The measures contain a sufficient quantity of liquid to fill the bottles to the required height.

The operation of filling is as follows: The measures are thrown back, and the drawer B, containing the bottles, is placed in the frame. The measures are thrown into position, and, the nozzles E being closed, the measures D are filled by pouring the liquid into the receiver G. By opening the stop-cock *b* in the tube *a*, the surplus liquid is allowed to run off. The valve F is now drawn so as to open the nozzles E, when the contents of the measures will be discharged into the bottles.

The measures may be arranged to raise vertically instead of swinging on hinges, and other forms of valves may be employed in place of the valve F; therefore I do not limit or confine myself to the exact form or construction herein shown and described.

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

The combination of the frame A, having bottle-drawer B and hinged double bottom C, with receiver G, having nozzled measures D E and apertured slide-plate F, as and for the purpose specified.

WILLIAM S. PADDOCK.

Witnesses:
ISAAC H. VROOMAN,
ALDEN CHESTER.