

No. 632,795.

Patented Sept. 12, 1899.

F. W. STODDART.  
DISTRIBUTER FOR LIQUIDS.

(Application filed May 8, 1899.)

(No Model.)

Fig. 1.

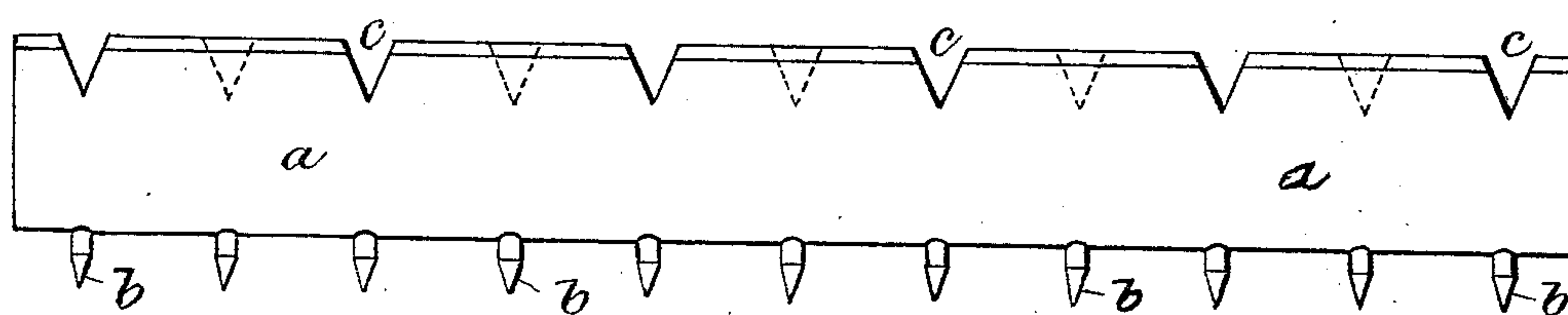


Fig. 2.

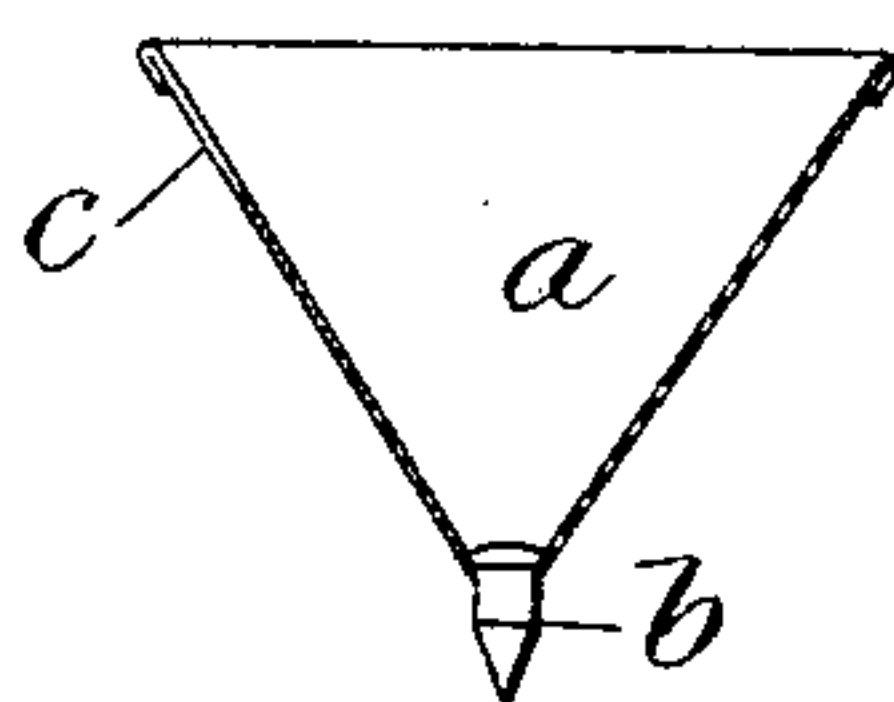
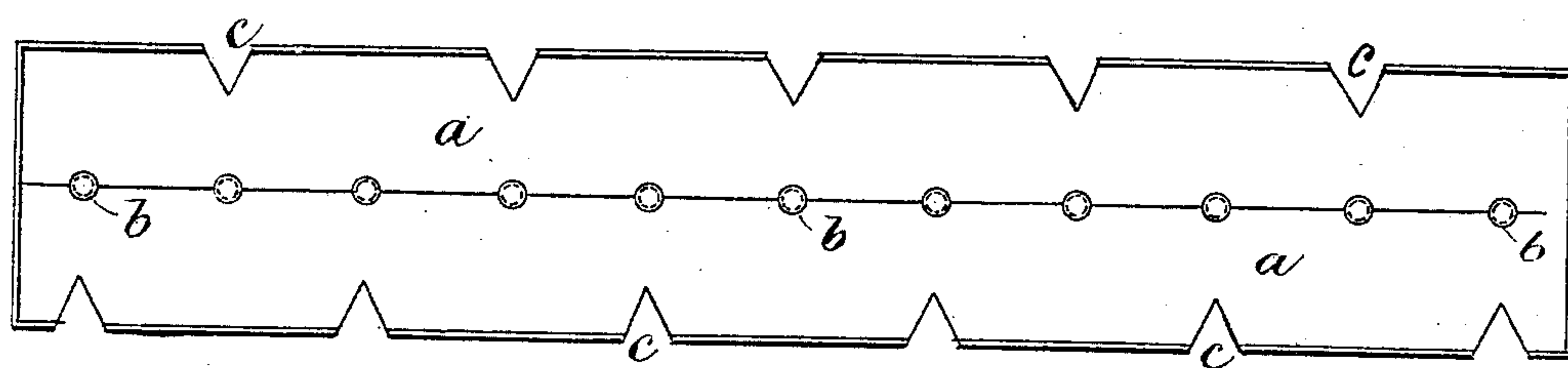


Fig. 3.



Witnesses.

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# UNITED STATES PATENT OFFICE.

FREDERICK WALLIS STODDART, OF SNEYD PARK, ENGLAND.

## DISTRIBUTER FOR LIQUIDS.

SPECIFICATION forming part of Letters Patent No. 632,795, dated September 12, 1899.

Application filed May 6, 1899. Serial No. 715,838. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK WALLIS STODDART, analytical chemist, a subject of the Queen of Great Britain, residing at Grafton Lodge, Sneyd Park, near Bristol, England, have invented a certain new and useful Distributer for Liquids, of which the following is a specification.

The object of this invention is to distribute liquids in fine streams or drops, and is especially applicable for delivering liquids onto filter-beds.

The distributer consists of a gutter-shaped vessel, of wood, metal, or other material, along the bottom of which, on the exterior, is affixed a longitudinal row of vertical projections or pegs. The margins of the distributer may conveniently be notched, so as to direct the flow of contained liquid to the pegs. One or both ends of the distributer are closed.

The liquid to be distributed is introduced into the gutter, flows over the margins through the notches, if any, and drops from the pegs into the receiving vessel.

If several distributers are employed simultaneously, they may be constructed from a corrugated sheet in which the notches are represented by perforations to allow of the passage of the liquid.

The proportions of the distributer are determined by the nature of the liquid and the rate of flow desired.

Figure 1 is a side elevation, Fig. 2 a transverse section, and Fig. 3 a plan, of a single distributer constructed according to this invention.

*a* is a metal trough of triangular form having a row of pegs *b*, fixed along the under side of its bottom. *c* are notches formed in its upper edges.

The most convenient way of attaching the pegs *b* is by forcing them down through holes in the trough; but they may be soldered or otherwise fixed to the outside or formed by shaping the metal of the trough.

What I claim is—

1. A distributer for liquids consisting of a trough having along the under side of its bottom a row of projections, and having notches in its upper edges.

2. A distributer for liquids, consisting of a trough having along the under side of its bottom a series of pointed projections.

3. A distributer for liquids, consisting of a trough angular in cross-section and having along the under side of its bottom a series of projections which receive the liquid from the exterior inclined sides of the trough.

FREDERICK WALLIS STODDART.

Witnesses:

ANDREW W. WILKINSON,  
JAS. P. COOMBE.