

No. 661,819.

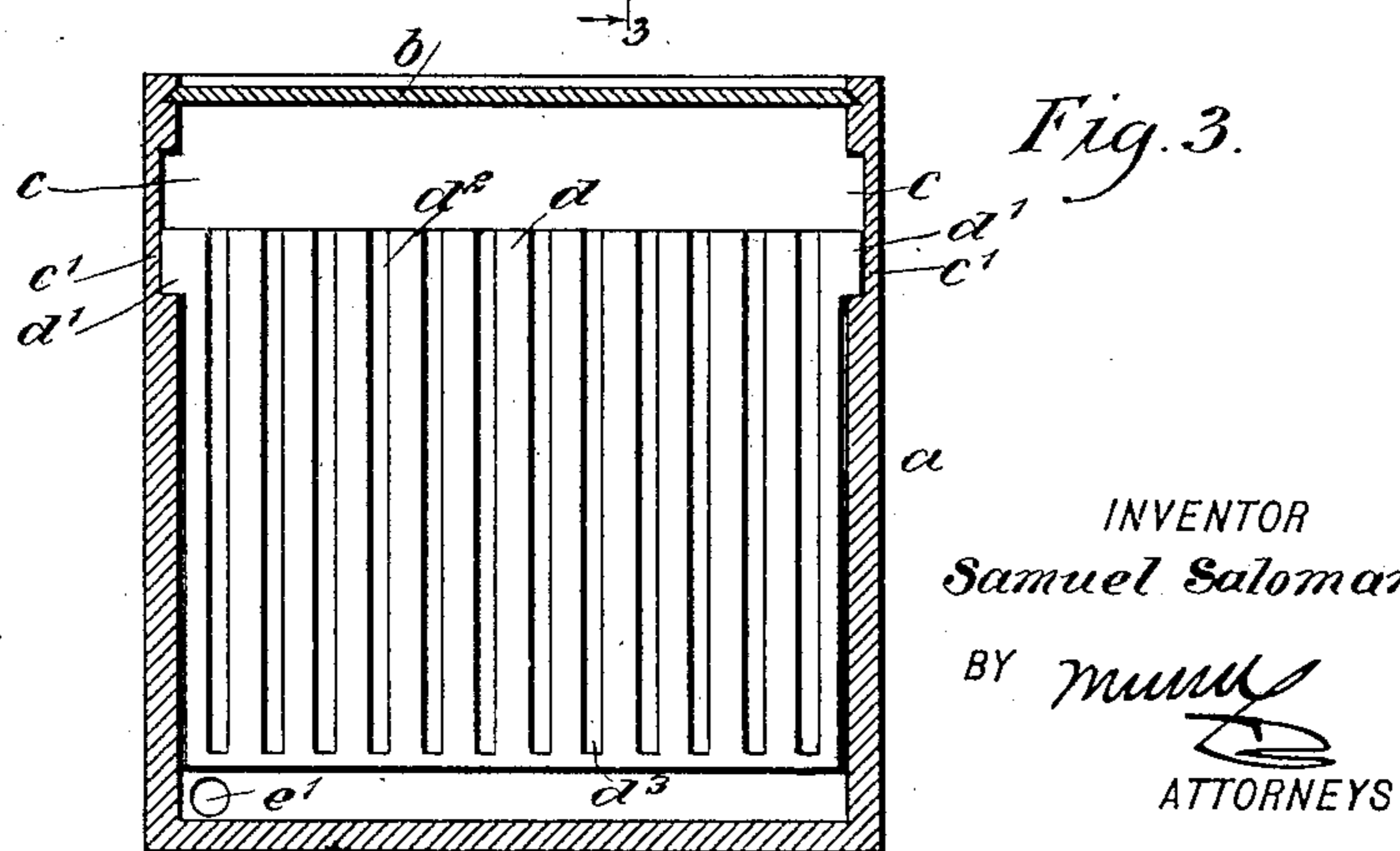
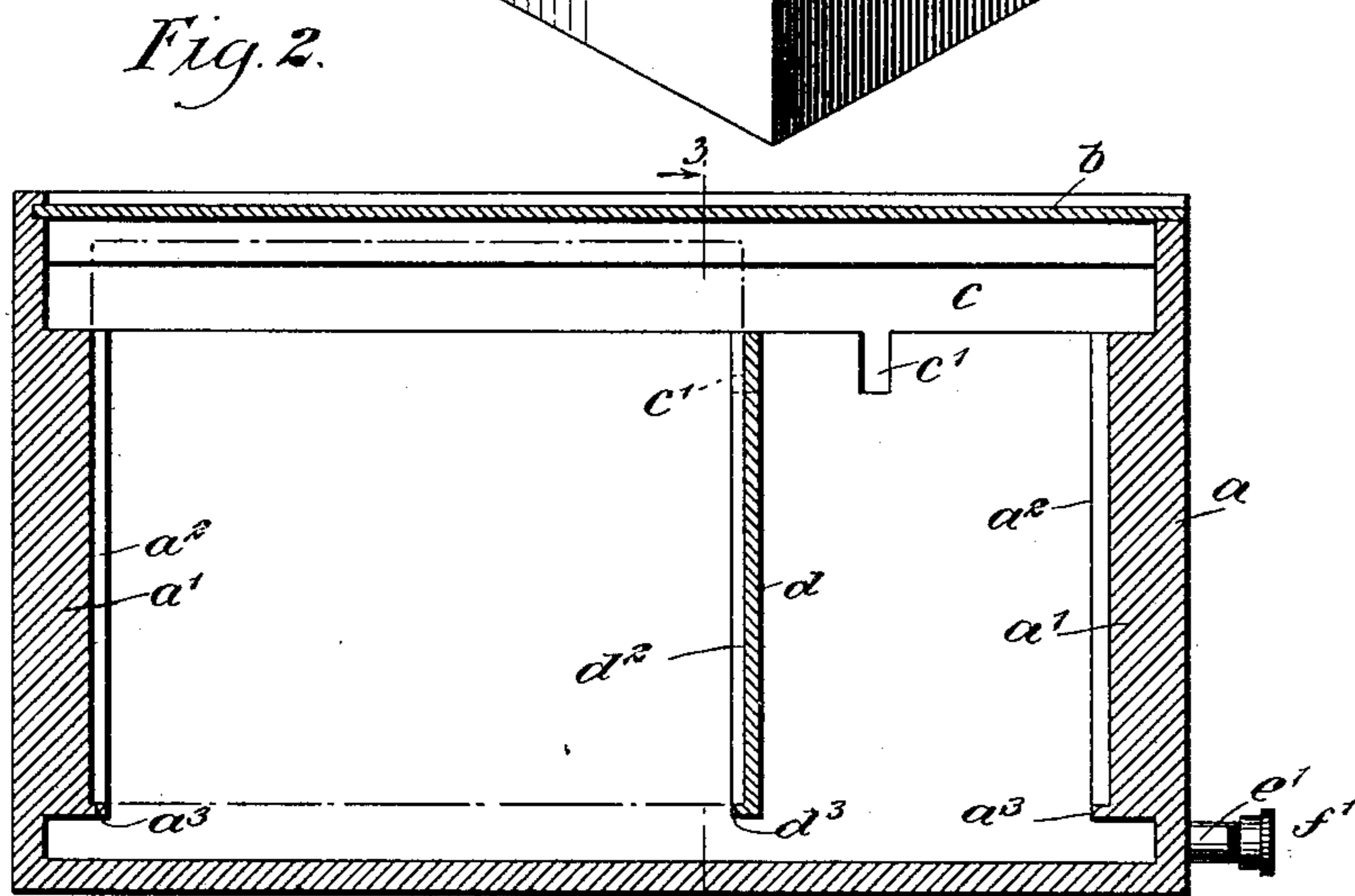
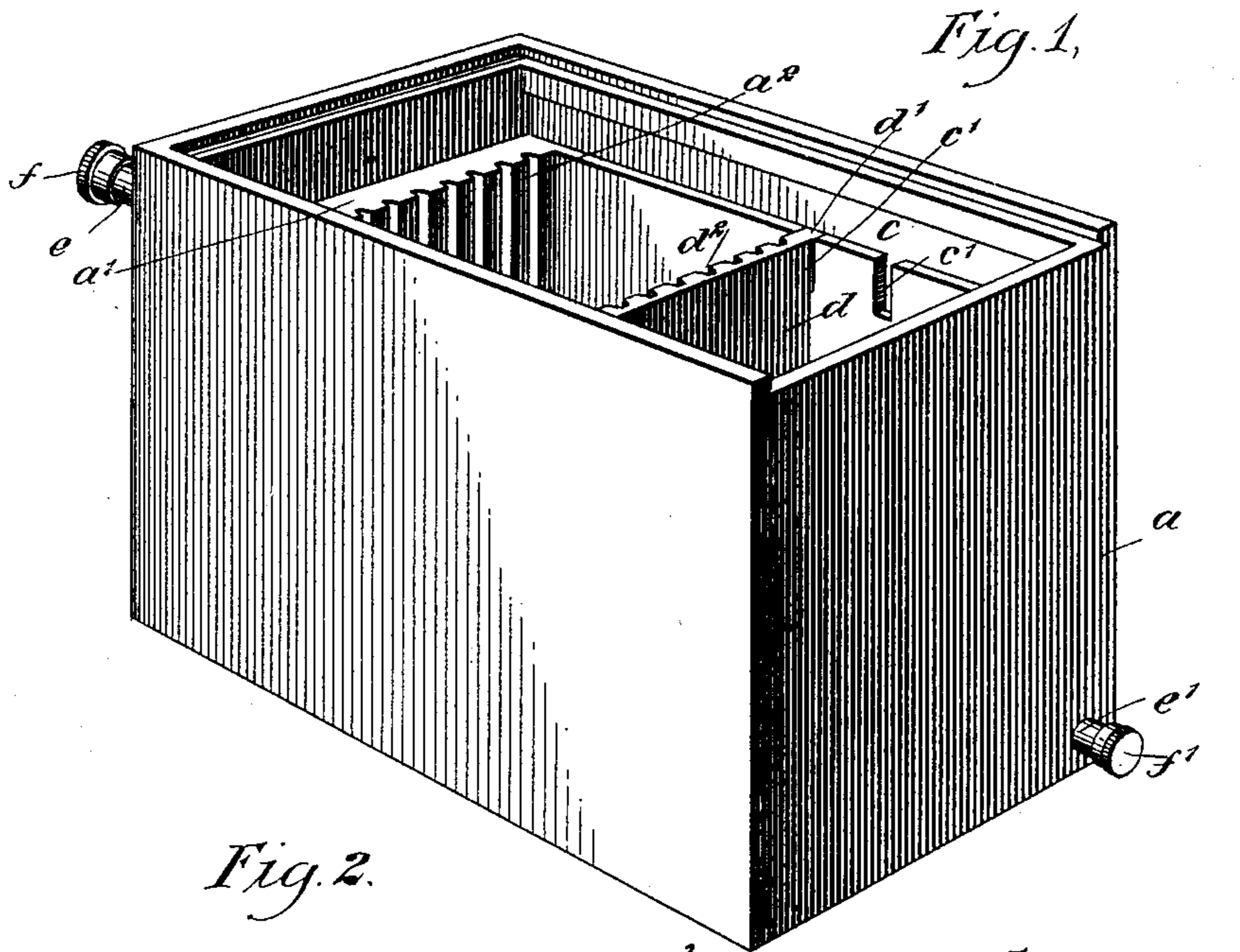
Patented Nov. 13, 1900.

S. SALOMAN.

PHOTOGRAPHIC PLATE WASHING AND FIXING APPARATUS.

(Application filed May 19, 1900.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## PHOTOGRAPHIC-PLATE WASHING AND FIXING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 661,819, dated November 13, 1900.

Application filed May 19, 1900. Serial No. 17,259. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL SALOMAN, a citizen of the United States, and a resident of the city of New York, borough of Bronx, in the county and State of New York, have invented a new and Improved Photographic-Plate Washing and Fixing Apparatus, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide a novel device for both fixing and washing photographic plates, by which I am enabled with a single apparatus to perform either one of these operations.

This specification is the disclosure of one form of the invention, while the claim defines the actual scope thereof.

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 views.

Figure 1 is a perspective view of the invention. Fig. 2 is a longitudinal section, and Fig. 3 is a cross-section on the line 3 3 of Fig. 1.

The apparatus comprises a rectangular case or reservoir *a*, which may, if desired, be fitted with a sliding top or lid *b*. The ends of the reservoir *a* are provided on their inner surfaces with thickened portions *a'*, formed with vertical grooves *a''* therein. Photographic plates may be fitted in these grooves, in which case the plates will be of a length approximately equal to the interior dimensions of the reservoir *a*. For limiting the downward movement of the plates ledges *a'''* are formed at the lower ends of the grooves *a''* in the thickened portions *a'*, so that the plates will engage these ledges and be sustained thereon. The side walls of the reservoir *a* are formed with horizontally and longitudinally disposed grooves *c*, which communicate with downward extensions *c'*, arranged in pairs, the members of which are opposite each other. There are preferably two pairs of these downward extensions *c'*; but this is not essential, as it will be understood the number may be increased or diminished at will. A partition *d* is provided and has a width equal to that of the inner width of the reservoir *a*, the side edges of the partition at its upper portion being formed with ears *d'*, adapted to slide in the grooves *c* and capable of moving also with the partition into the extension *c'*. It is clear that by this arrange-

ment the partition *d* may be placed with its ears *d'* in either of the two pairs of extensions *c'* of the grooves *c*, and thereby the position of the partition may be adjusted. The partition *d* is formed with vertically-disposed grooves *d''*, adapted to receive the edges of the photographic plates, and these grooves terminate at their lower ends in a ledge *d'''* for limiting the downward movement of the plates. By means of the adjustable partition *d* plates of various sizes may be fitted in the reservoir.

The reservoir is provided with liquid inlet and outlet pipes *e* and *e'*, respectively provided with closure-caps *f* and *f'*. When fixing the plates, the caps *f* and *f'* will be placed in the position shown in the drawings and the reservoir *a* filled with the solution, so that the plates may be properly subjected thereto, and in washing the plates the caps *f* and *f'* may be removed, so that a continuous circulation of water may be maintained through the apparatus. In this connection it is pointed out that the partition *d* does not interfere with the circulation, although it may baffle the same, thus causing the water effectively to act on the plate or plates which may be in the reservoir.

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

The combination of the receptacle having at one end vertical grooves terminating above the bottom to form stops, and in its sides parallel longitudinal grooves immediately above the level of the upper ends of said vertical grooves, and registering vertical grooves extending downward in the sides of the receptacle from said longitudinal grooves, and a partition having ears arranged to slide lengthwise in said side grooves and into the downward vertical grooves, said partition having vertical grooves corresponding to those in the end of the receptacle, and a ledge extending horizontally across the partition below the lower ends of said grooves.

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

SAMUEL SALOMAN.

Witnesses:

J. B. OWENS,

EVERARD BOLTON MARSHALL.