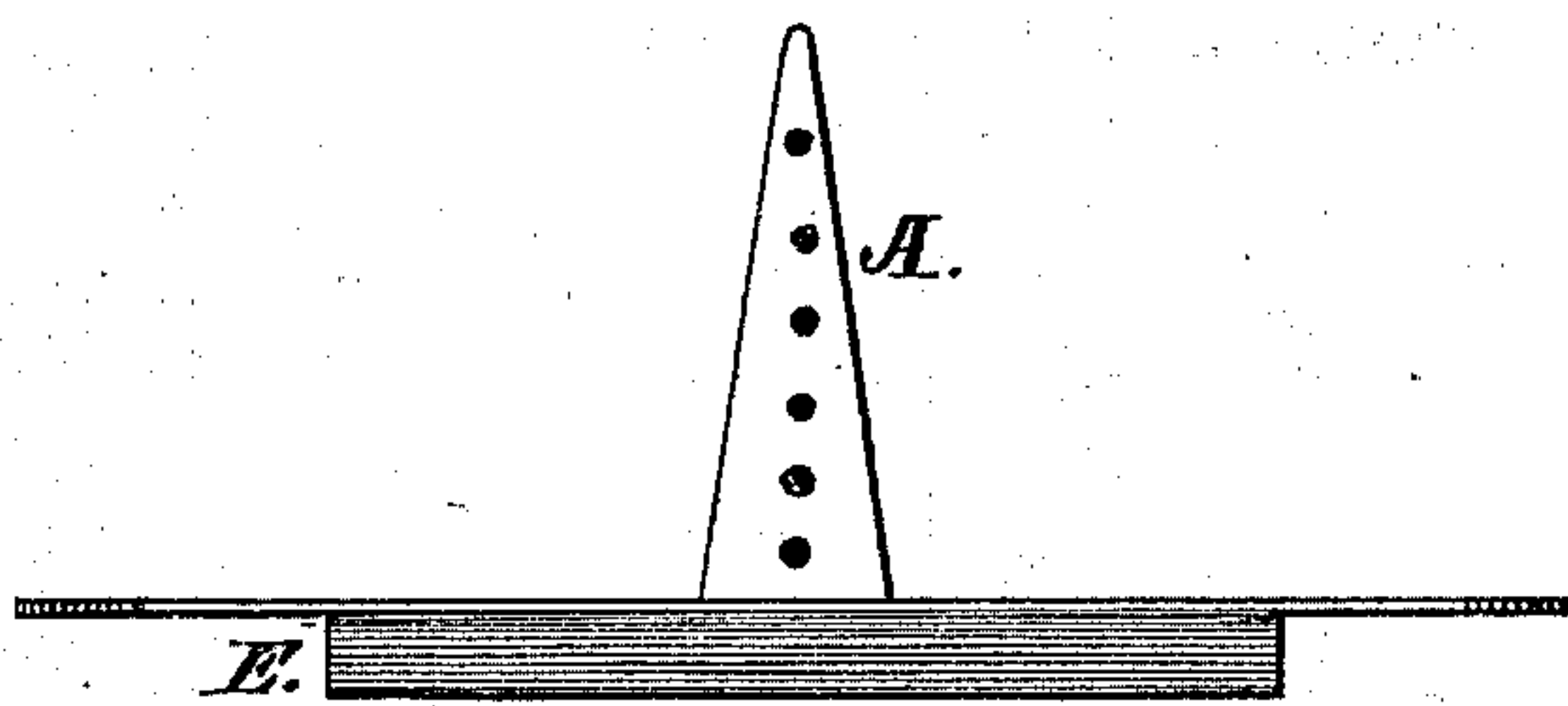


W. W. GLANVILLE.  
Wash-Boiler Attachments.

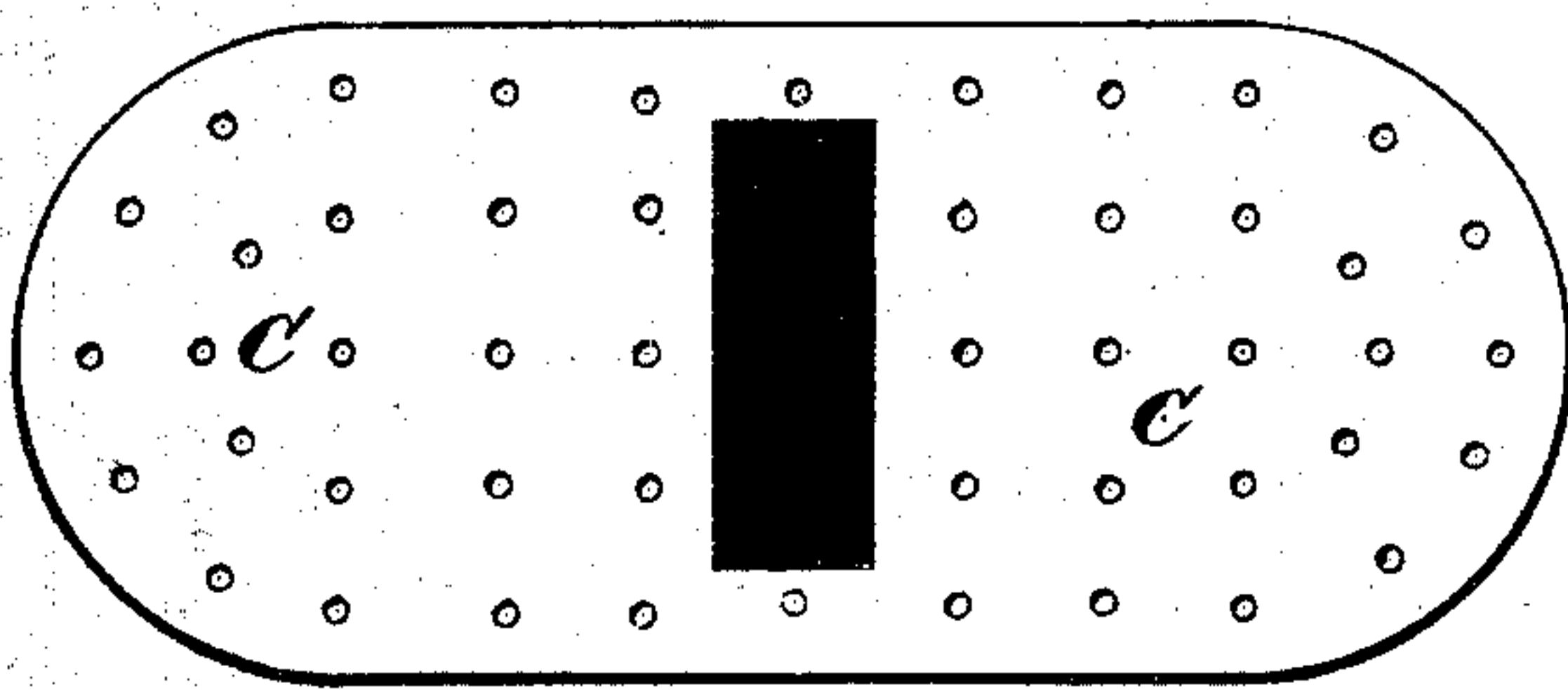
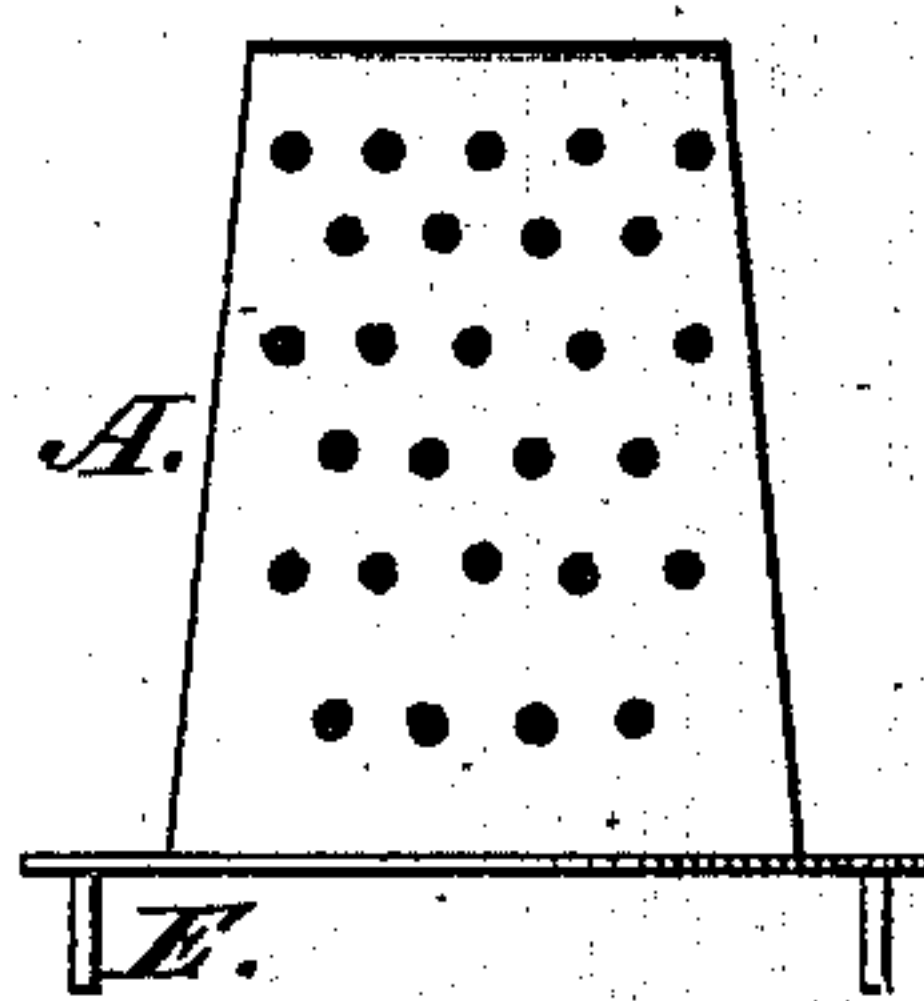
No. 144,531.

Patented Nov. 11, 1873.

*Fig. 1.*

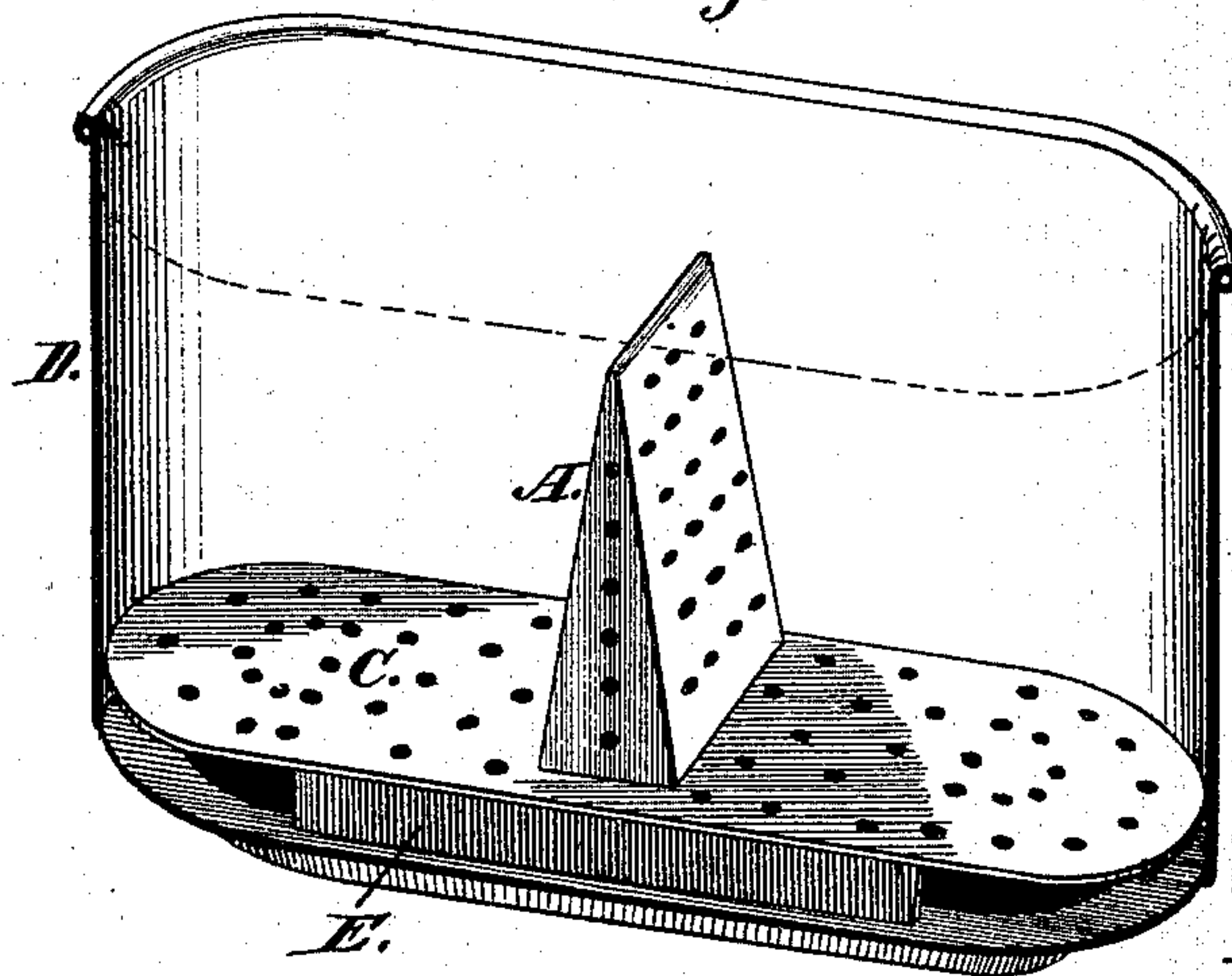


*Fig. 2.*



*Fig. 3.*

*Fig. 4.*



Witnesses.

George C. Lawson  
Louis E. Hardy.

Inventor.

William W. Glanville



# UNITED STATES PATENT OFFICE.

WILLIAM W. GLANVILLE, OF CRAWFORD COUNTY, IOWA.

## IMPROVEMENT IN WASH-BOILER ATTACHMENTS.

Specification forming part of Letters Patent No. **144,531**, dated November 11, 1873; application filed January 25, 1873.

*To all whom it may concern:*

Be it known that I, WILLIAM W. GLANVILLE, residing near Dowville, in the county of Crawford and State of Iowa, have invented a new and useful Improvement in Wash-Boiler Attachment, of which the following is a specification:

This invention relates to certain improvements in attachments to wash-boilers, which will effectually and thoroughly cleanse the clothing while the same is being boiled; and to this end the invention consists of a perforated plate supported within the boiler, and provided with a wedge-shaped perforated projection extending from about the center of the plate, whereby, when the water and clothing are placed in the boiler, and steam generated, the steam and water will pass up through the perforations, and permeate every portion of the clothing, and by this means thoroughly cleanse the same.

In the drawings, Figure 1 represents a side view of the improved attachment for wash-boilers; Fig. 2, an end view thereof; Fig. 3, a top view of the same, and Fig. 4 a perspective view of a wash-boiler with my improved attachment applied thereto.

The letter C represents a plate or diaphragm, which is preferably of the form shown—that is, with rounded ends—and is provided with

perforations, and with a rim or flange, E, projecting from beneath the plate, for supporting the latter in the boiler above the bottom of the same. Extending from about the middle of this perforated diaphragm C is a wedge-shaped perforated projection, A, which extends up into the boiler D when the attachment is placed therein.

The attachment is placed within the boiler D, as shown in Fig. 4, the rim or flange E supporting it at a slight distance from the bottom of the boiler, and when the water and clothing are placed therein, and steam generated, the steam and water will pass up through the perforations, and permeate through and over the entire body of clothing, the result being a thorough and effectual cleansing of the clothes.

Having thus described the nature and object of my invention, what I claim as new and useful, and desire to secure by Letters Patent, is—

The perforated diaphragm C, provided with a supporting-flange, E, and with a perforated wedge-shaped projection, A, for operation in connection with a wash-boiler, substantially as described, for the purpose set forth.

WILLIAM W. GLANVILLE.

Witnesses:

GEORGE C. LAWSON,  
LEWIS E. HARDY.