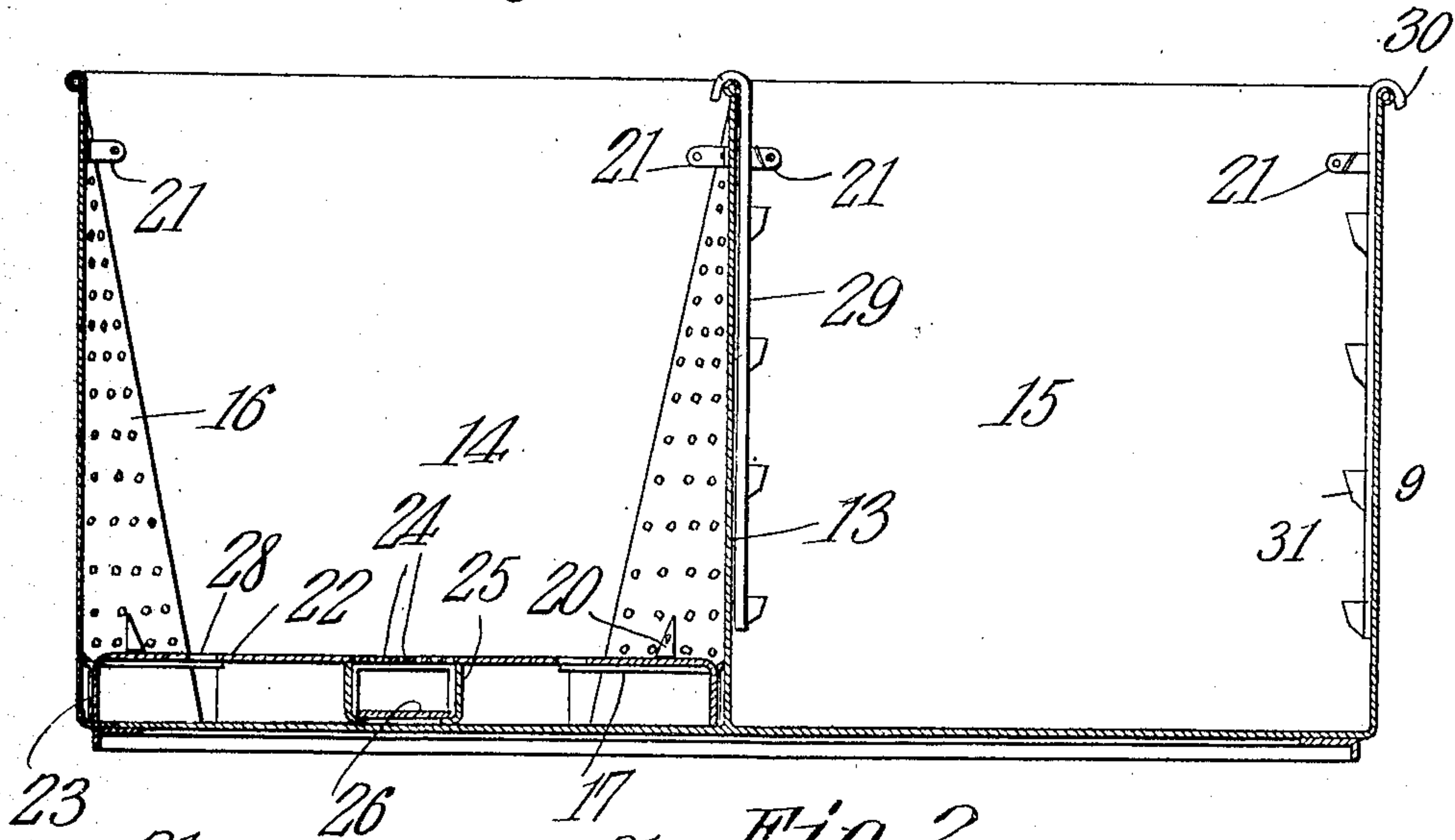


E. L. RIDGWAY.  
WASHBOILER.  
APPLICATION FILED JULY 2, 1907.

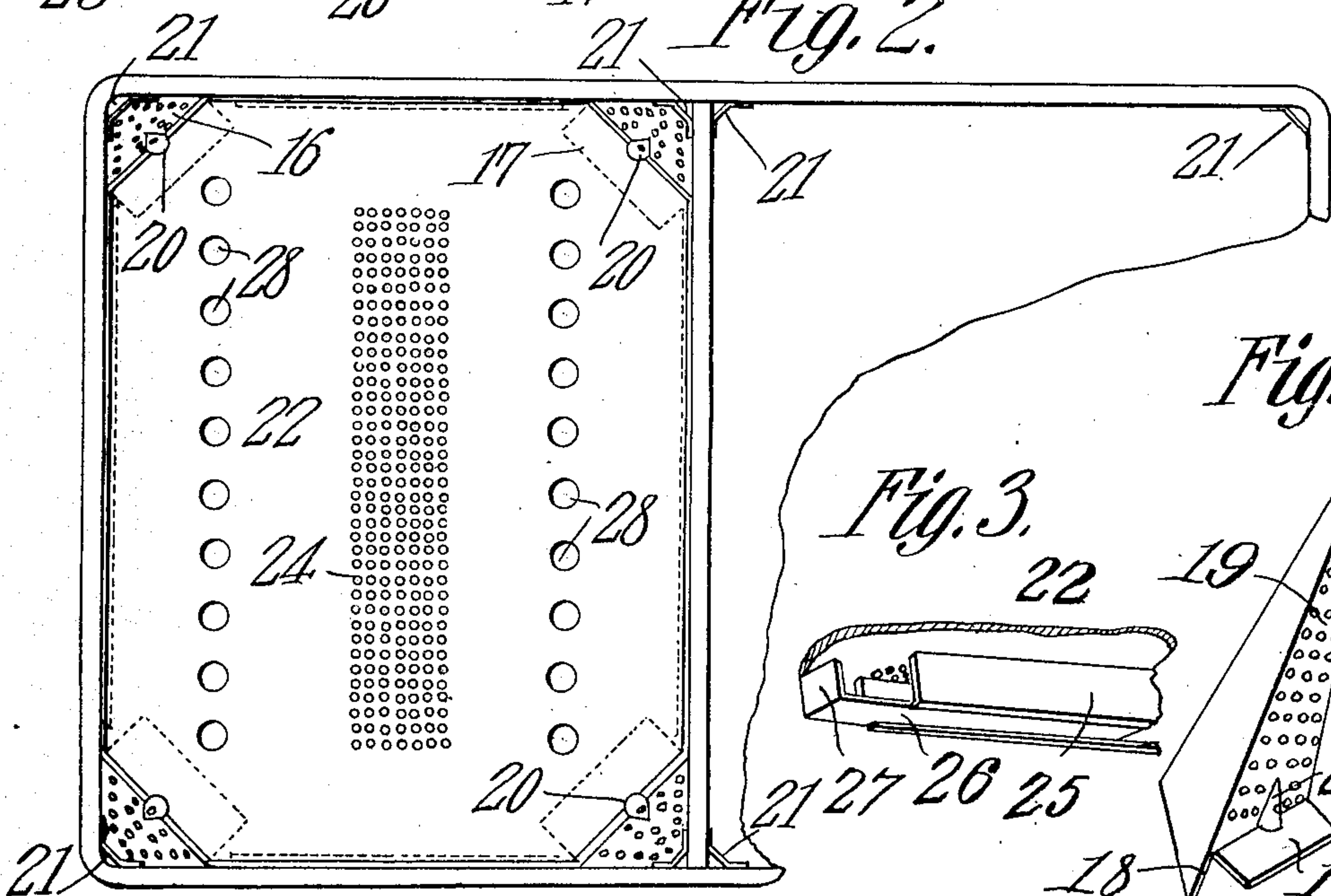
919,382.

Patented Apr. 27, 1909.

*Fig. 1.*

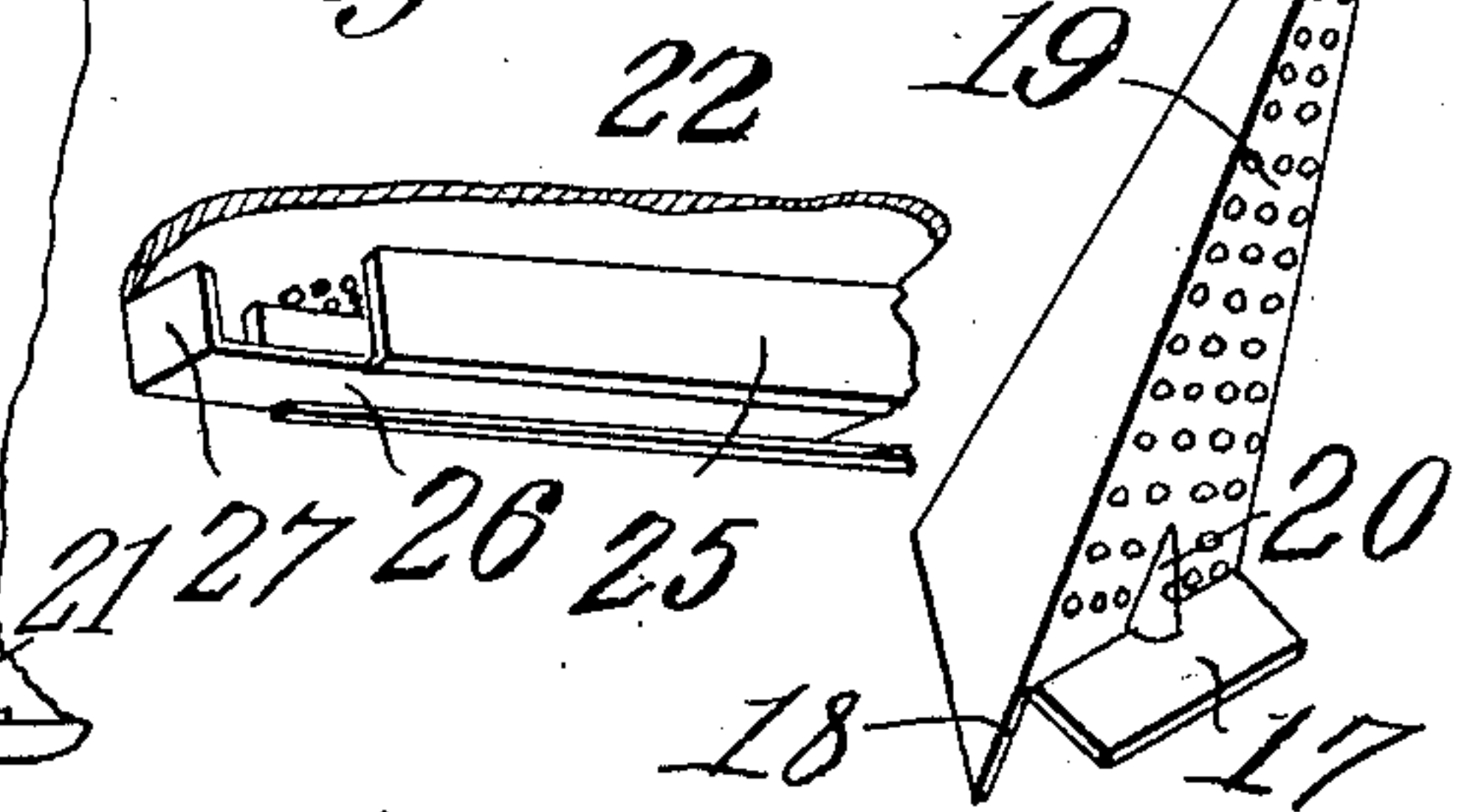


*Fig. 2.*



*Fig. 4.*

*Fig. 3.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ELZIE L. RIDGWAY, OF KANSAS CITY, MISSOURI.

## WASHBOILER.

No. 919,382.

Specification of Letters Patent.

Patented April 27, 1909

Application filed July 2, 1907. Serial No. 381,949.

*To all whom it may concern:*

Be it known that I, ELZIE L. RIDGWAY, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a new and useful Washboiler, of which the following is a specification.

This invention relates to a steaming apparatus especially designed for washing fabrics and for similar purposes.

The object of the invention is to provide a boiler of novel form whereby dirt separated from the articles being steamed can be trapped and prevented from circulating within the boiler.

A further object is to provide efficient means for directing steam generated in the boiler against the contents of the boiler in minute jets so as to facilitate the removal of dirt from the articles being steamed.

With these and other objects in view the invention consists of certain novel features of construction and combinations of parts which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings is shown the preferred form of the invention.

In said drawings: Figure 1 is a vertical longitudinal section through the boiler. Fig. 2 is a plan view of a portion thereof. Fig. 3 is a bottom perspective view of the dirt receiver. Fig. 4 is a detail view of one of the nozzles.

Referring to the figures by characters of reference, 9 designates a boiler designed to be supported upon a heater of any preferred form, preferably a portable one, and this boiler may, if preferred, be divided into two compartments 14 and 15 by means of a central vertical partition 13 preferably imperforate so as to prevent communication between the two compartments. Compartment 14 is used for steaming purposes while the compartment 15 can be used for any other purpose desired. Located within each of the corners of the compartment 14 is a nozzle of novel form. This nozzle, which has been indicated at 16, is triangular in cross section so as to fit snugly within the corner and extends from the bottom to a point adjacent the top of the boiler and is tapered to a point at its upper end. The exposed face of the nozzle is bent outward adjacent its lower end to form a supporting lip 17, there being an open space 18 within the nozzle and below this lip and constituting an inlet for steam.

That portion of the exposed face of the nozzle which is above the lip 17 has a number of minute apertures, and pivoted to said face adjacent the lip is a locking plate 20. The upper ends of the nozzles are preferably held in place by means of retaining straps 21 riveted or otherwise secured to the walls of the compartment 14 and disposed diagonally across the corners of said compartment.

The lips 17 of the corner nozzles 16 are designed to support the corner portions of a false bottom 22 having supporting flanges 23 extending downward from the edges thereof and bearing upon the bottom of the boiler. This false bottom is disposed to be held upon the lips 17 by the locking plates 20 heretofore referred to and it is therefore prevented from being raised by the steam pressure thereunder. A longitudinal group of apertures 24 is arranged along the center of the false bottom. A receptacle 25 is secured to or formed with the bottom 22 and surrounds the group of apertures 24. The bottom of this receptacle is made up of a removable slide 26 having a suitable handle 27 at one end thereof whereby the receptacle can be opened subsequent to the removal of the false bottom from the boiler. Small openings 28 are also formed in the false bottom 22 so that water is free to circulate through said false bottom.

In using the device herein described for washing clothes and the like water is placed in the compartment 14 and the boiler is then positioned over a heater so that the temperature of the water will be quickly raised and steam will be generated. The articles to be washed are placed within the receptacle 14 and a circulation of steam and water is established, the steam and water traveling upward into the nozzles and spraying onto the fabrics through the openings 19. The fabrics will therefore be agitated by these jets and dirt will be thoroughly removed therefrom and settle on the false bottom 22 and a portion of the dirt will pass into the receptacle 25 and be prevented from being carried upward against the fabrics by the boiling water. After the fabrics have been thoroughly steamed in this manner they can be removed and placed within the compartment 15. Subsequent to this operation the false bottom 22 can be raised from the compartment 14 and the slide 26 withdrawn so as to permit the interior of the receptacle to be cleaned.



What is claimed is:

1. A wash-boiler, nozzles therein, a false bottom within the boiler and having a group of apertures, said false bottom being supported at the corners of the boiler, a receptacle secured to and disposed below the false bottom, said apertures opening into the receptacle, and a removable bottom within the receptacle.
2. The combination with a wash boiler; of a false bottom therein and having a group of apertures, means within the corners of the

boiler for supporting the false bottom, a receptacle secured to and disposed below the false bottom, said apertures opening into the receptacle, and a removable bottom within the receptacle.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ELZIE L. RIDGWAY.

Witnesses:

W. J. VANDANACKER,  
W. W. GILLENWATERS.