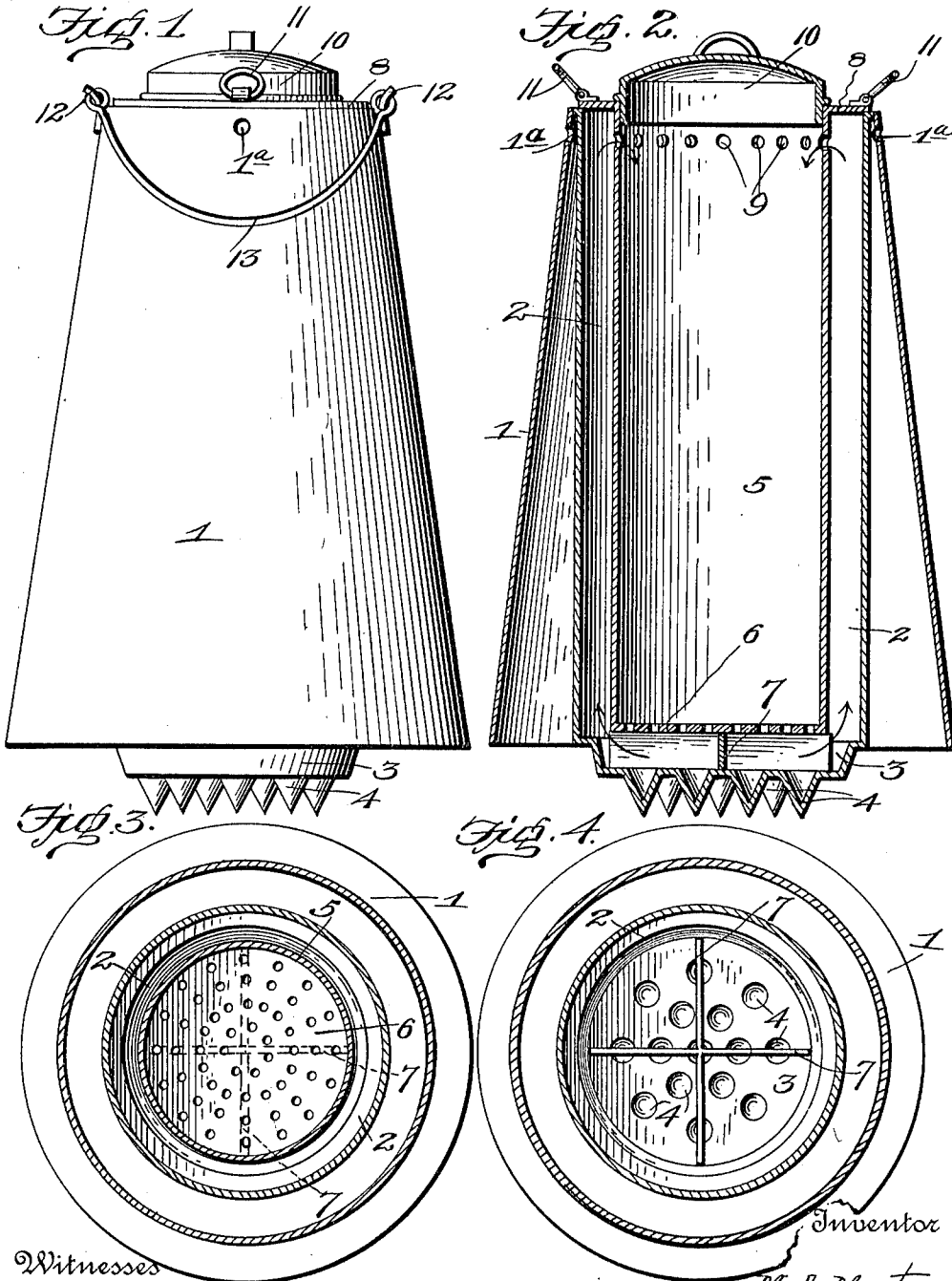


M. A. MORTON.
BOILER WASHING MACHINE.
APPLICATION FILED SEPT. 27, 1910.

1,001,426.

Patented Aug. 22, 1911.

2 SHEETS-SHEET 1.



Witnesses
C. Hunt.
C. H. Griestauer.

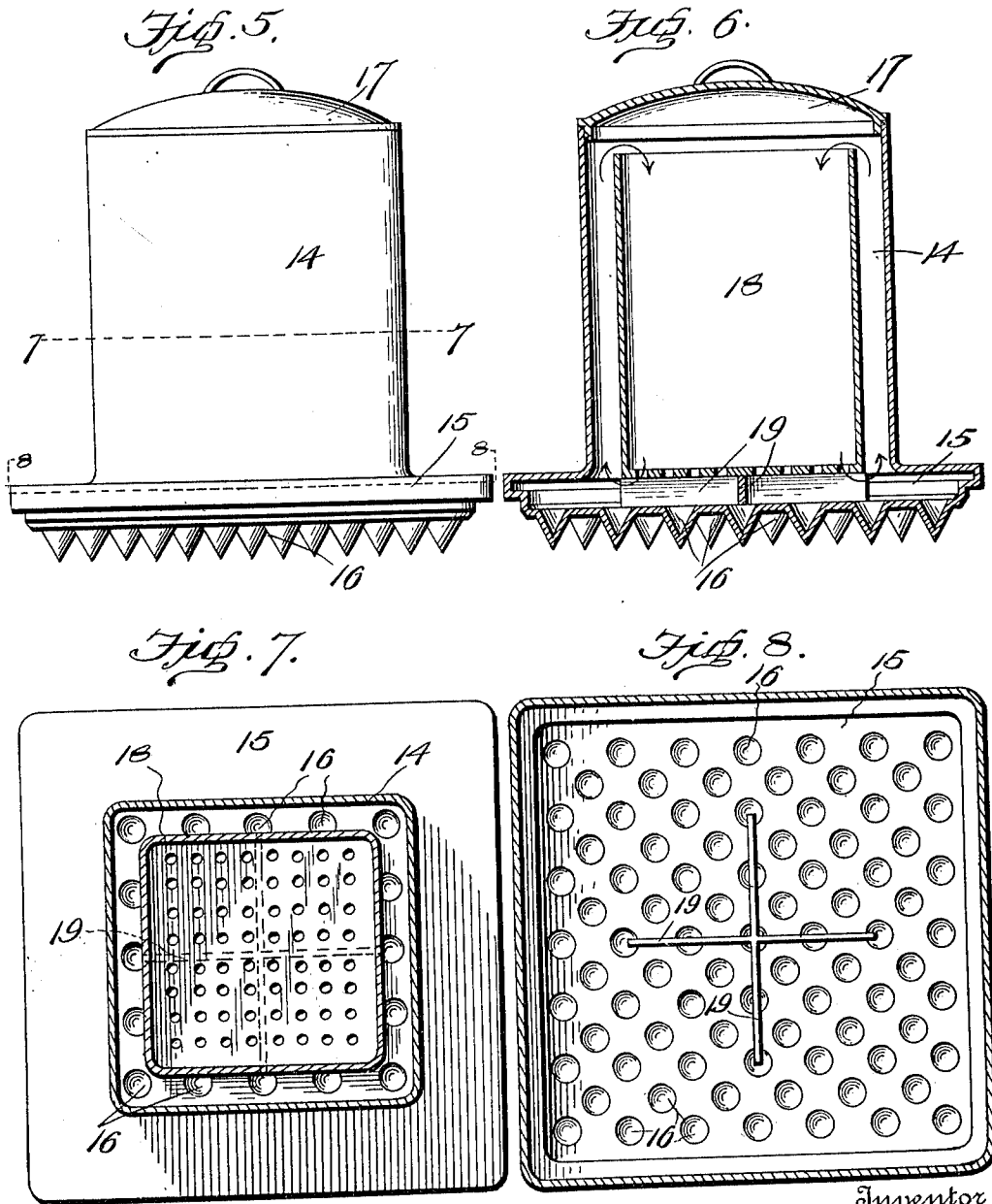
Inventor
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UNITED STATES PATENT OFFICE.

MILO A. MORTON, OF BROWNWOOD, TEXAS, ASSIGNOR OF ONE-HALF TO SAMUEL W. JOHNSON, OF BROWNWOOD, TEXAS.

BOILER WASHING-MACHINE.

1,001,426.

Specification of Letters Patent.

Patented Aug. 22, 1911.

Application filed September 27, 1910. Serial No. 584,097.

To all whom it may concern:

Be it known that I, MILO A. MORTON, a citizen of the United States, residing at Brownwood, in the county of Brown and State of Texas, have invented certain new and useful Improvements in Boiler Washing-Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in boiler washing machines.

One object of the invention is to provide a boiler washing machine adapted to be arranged on an ordinary cooking or heating stove and gas jets, and which is so constructed as to provide a maximum amount of heating surface.

Another object is to provide a washing machine having means whereby the clothes therein will be automatically cleansed by the action of the steam and water in the boiler.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings: Figure 1 is a side view of one form of my improved washing machine and boiler; Fig. 2 is a central vertical sectional view of the same; Fig. 3 is a horizontal sectional view thereof; Fig. 4 is a similar view of the boiler with the clothes receptacle removed; Fig. 5 is a side view of a modified form of the machine; Fig. 6 is a central vertical sectional view thereof; Fig. 7 is a horizontal sectional view on the line 7-7 of Fig. 5; Fig. 8 is a similar view on the line 8-8 of Fig. 5 with the clothes receptacle removed.

Referring more particularly to the first four figures of the drawing 1 denotes the outer casing of my improved washing machine and boiler said casing being preferably of frusto-conical shape or tapered toward its upper end as shown. In the upper end of the casing is formed two or more heat discharging passages 1^a.

Within the casing 1 and secured thereto at its upper edge is a cylindrical boiler 2 between the outer side of which and the inner side of the casing 1 is formed a heat con-

ducting space which gradually tapers or decreases in size from the lower to the upper end of the casing as shown, the decrease in the size of the space toward its upper end being caused by the inclined walls of the casing. By providing the casing 1 and heat conducting space the heating surface and capacity of the boiler hereinafter described is greatly increased. The boiler 2 is provided with a circular bottom 3 which has a reduced depression formed therein which is of such size as to fit within one of the holes in the top of the stove. The bottom 3 is provided with a series of downwardly projecting extensions 4 which are preferably of an inverted cone shape and are provided for increasing the heating surface of the bottom.

Adapted to be removably engaged with the boiler 2 is a cylindrical clothes receptacle 5 said receptacle being of less diameter than the boiler to provide a surrounding water and steam space. The clothes receptacle 5 is provided with a perforated bottom 6 and said receptacle is adapted to rest on diagonally disposed supporting bars 7 arranged on the bottom of the boiler as shown. On the upper edge of the clothes receptacle is formed an annular radially projecting flange 8 which is adapted to engage and close the upper end of the space between the clothes receptacle and the upper end of the boiler. Around the upper end of the clothes receptacle is formed an annular series of steam and water circulating passages 9 through which and through the perforated bottom of the clothes receptacle the steam and water in the boiler is adapted to circulate when heated, thereby thoroughly cleansing the clothes placed in the receptacle.

The clothes receptacle is provided with a suitable cover 10 having a flange 30, which contacts with the flange of the clothes receptacle and is also preferably provided with rings 11 which form handles to facilitate the removal of the receptacle from the boiler. If desired the casing and boiler may be provided with apertured ears 12 with which is connected a suitable bail or handle 13 whereby the machine may be readily carried.

In the last four figures of the drawing is shown a slightly modified construction of the machine the same being shown in these

figures as consisting of a rectangular boiler 16 having an enlarged hollow rectangular base 15. The bottom of the base 15 is adapted to cover the whole or the greater part of the top of an ordinary cooking stove and the bottom of said hollow base is provided with a series of inverted cone shaped extensions 16 whereby the heating surface of said bottom is greatly increased. The upper end of the boiler 14 is provided with a removable cover 17.

Removably engaged with the boiler 14 is a rectangular clothes receptacle 18 having a perforated bottom. The clothes receptacle 18 is of such height as to terminate a short distance below the upper end of the boiler and is of such size as to provide a suitable water space whereby said receptacle is surrounded by the water in the boiler. The clothes receptacle is supported at a suitable elevation above the bottom of the base 15 by diagonally disposed supporting bars 19 arranged in the base 15 as shown.

In the operation of the latter form of the boiler the water, when heated to the proper degree will circulate through the perforated bottom of the clothes receptacle and around the sides and over the top of the same thus thoroughly removing the dirt from the clothes therein.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended claim.

Having thus described my invention, what I claim is:

A boiler washing machine, comprising an outer casing having upwardly inclined sides, said casing open at its lower end and provided with heat discharge openings adjacent to its upper end, a boiler mounted in said casing, said boiler being of less diameter than the casing whereby a heating space is formed around and between the boiler and casing, a clothes receptacle arranged in said boiler, said receptacle having a perforated bottom and provided near its upper edge with a series of steam and water circulating passages and with a radially projecting flange on the upper end to close the space between said end and the upper end of the boiler, means to support said receptacle above the bottom of the boiler and a cover adapted to close the upper end of said receptacle.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

MILO A. MORTON.

Witnesses:

G. F. WEDT,

B. A. FOWLER.