J. B. GODWIN.
Domestic Boiler.

No. 210,318. Patented Nov. 26, 1878.

Fig. 1.

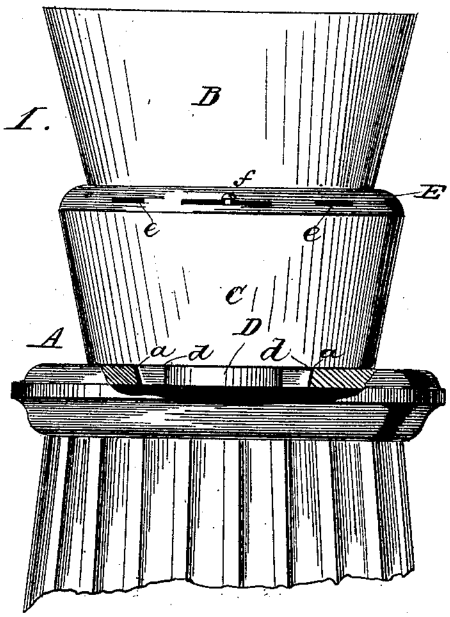


Fig. 2.

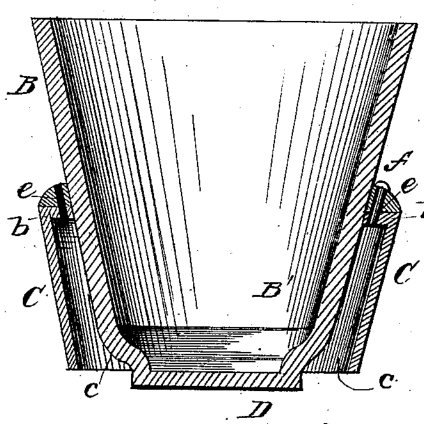
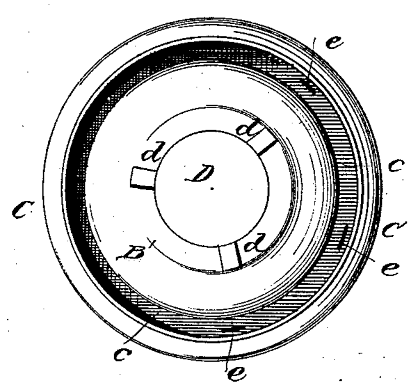


Fig 3.



Witnesses
Fred G. Dieterich
August Petersohn

Inventor
Joshua B. Godwin
per Louis Bagger & Co
Attorneys.

UNITED STATES PATENT OFFICE.

JOSHUA B. GODWIN, OF WASHINGTON, NORTH CAROLINA.

IMPROVEMENT IN DOMESTIC BOILERS.

Specification forming part of Letters Patent No. **210,318**, dated November 26, 1878; application filed May 7, 1878.

To all whom it may concern:

Be it known that I, JOSHUA B. GODWIN, of Washington, in the county of Beaufort and State of North Carolina, have invented certain new and useful Improvements in Stove-Boilers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side elevation. Fig. 2 is a vertical section, and Fig. 3 is a bottom plan.

Similar letters of reference indicate corresponding parts in all the figures.

My invention relates to stove-boilers; and it consists in an improved construction of boilers of this class, having for its object to increase the fire-surface, and thereby expedite the process of boiling, substantially as hereinafter more fully described.

In the drawings, A represents the top part of a stove, which is provided with a circular opening, *a*. The boiler consists of an upper part, B, the bottom part, B′, and an annular flange or shoulder, *b*, from which projects downward an annular sleeve, C. The parts B B′ *b* C are preferably cast in one piece, leaving a narrow annular space (denoted by *c*) between the bottom B′ and its encircling sleeve C. From the bottom plate D of the boiler project three or more radial lugs or ears, *d d d*, which, when the boiler is inserted into the opening *a* in the stove, will bear or abut upon the rim or periphery of the perforation, thereby keeping the boiler firmly in its place. The flange or shoulder *b* has a series of perforations, *e e e*, which may be opened or closed by moving a ring, E, which slides upon the shoulder, and is held in place by a pin, *f*, which projects up through one of the perforations *e*, as shown.

From the foregoing description, taken in connection with the drawing, the operation and advantages of my improved stove-boiler will be readily understood without requiring further explanation. It being placed upon the stove, as represented in Figs. 1 and 2, the heat will ascend between the lugs or ears *d d*, up into the annular chamber *c* between sleeve C and boiler B′, thus subjecting a much larger area to the action of the heat than where, as usual in boilers of this class, the bottom part or plate D only is subjected to the heat. By opening or closing the openings or vent-holes *e e* by means of ring E the draft may be regulated at pleasure.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The boiler proper, B B′, provided with the annular flange *b*, from which extends a downwardly-projecting sleeve, C, and provided with draft-apertures *e e*, opened and closed by a sliding ring, E, arranged upon the shoulder or flange *b* of the boiler, substantially as shown and set forth, for the purpose specified.

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

JOSHUA B. GODWIN.

Witnesses:
GEO. B. CALBERT,
L. C. QUIN.