

(No Model.)

W. STIEFELHAGEN.
EGG BOILER.

No. 550,568.

Patented Nov. 26, 1895.

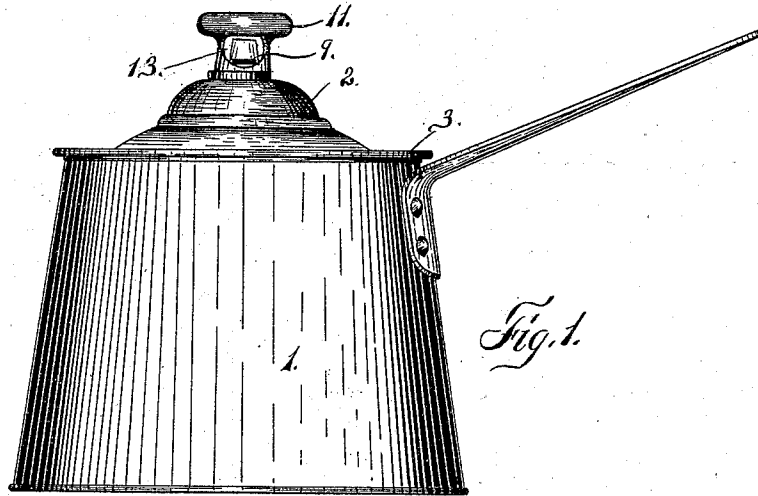


Fig. 1.

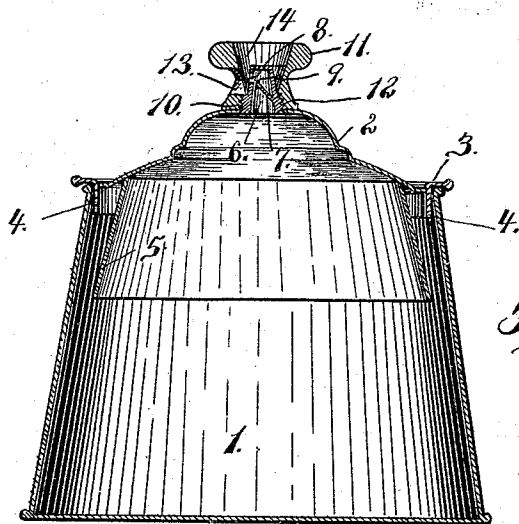


Fig. 2.

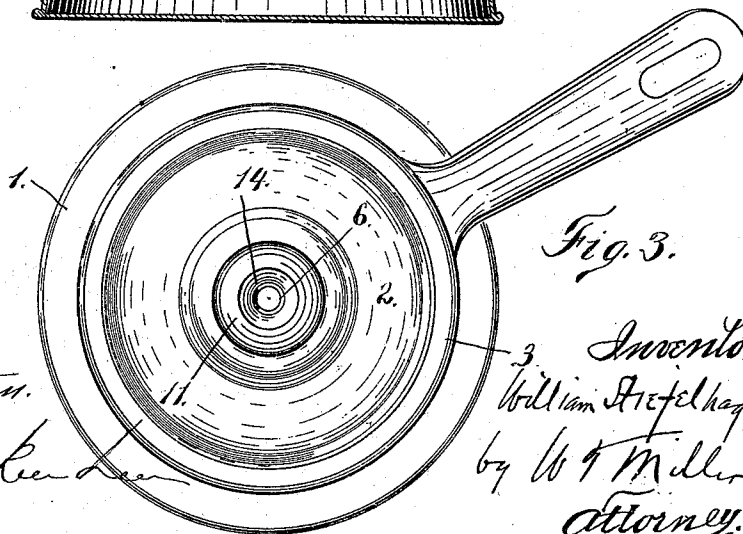


Fig. 3.

Witnesses:

F. B. Reister.

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UNITED STATES PATENT OFFICE.

WILLIAM STIEFELHAGEN, OF BUFFALO, NEW YORK.

EGG-BOILER.

SPECIFICATION forming part of Letters Patent No. 550,568, dated November 26, 1895.

Application filed August 16, 1895. Serial No. 559,470. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM STIEFELHAGEN, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Egg-Boilers; and I do hereby 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, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in vessels which are specially designed for boiling eggs, its object being to so construct the cover of the vessel that the steam generated by the boiling of the water will be collected at a point of escape in which is located a musical instrument, the forcing of the steam there-through causing the instrument to give forth a tone, which will indicate that the eggs have been sufficiently boiled.

To that end my invention consists of a metallic vessel provided with a dome-shaped cover having the usual annular flange to retain the cover in the mouth of the vessel and provided with an inner flaring annular flange extending down into the vessel, a musical instrument located in the apex of the dome of the cover, and a knob or handle surrounding the musical instrument and provided with an outlet or outlets for the escape of the steam which operates the musical instrument.

In the drawings, Figure 1 is a side elevation. Fig. 2 is a central vertical section, and Fig. 3 is a top plan view of my improved egg-boiler.

Referring to the drawings, 1 is the body of the metallic vessel which holds the water, (herein shown as of tapering cylindrical form,) the bottom being slightly larger in diameter than its opening or mouth. The cover consists of the dome-shaped top 2, flat annular rim 3, and the downwardly-projecting annular flange 4 for retaining the cover in the mouth of the vessel. Within this flange 4 and extending down from the dome 2 is the longer annular flange 5, flaring outwardly and projecting down into the body of the vessel for about a third of its depth. In the apex of the

cover is secured the whistle, consisting of the conical tube 6 with open lower end and closed top. Within the tube is the deflecting-plate 7 for directing the escaping steam against the shoulder 8 just above the slot 9 in the side of the tube. The outer surface of the base of this tube is screw-threaded, as at 10.

11 is a knob or handle of wood or other non-conductor of heat. In its lower end is a screw-threaded socket 12, adapted for removable engagement with the whistle-tube.

Opposite the slot 9 in the whistle-tube is the side opening 13 for the escape of steam, and 14 is an upper flaring opening, the special function of which is to diffuse the sound of the whistle and prevent its being partly smothered, as would be the case if only the side opening existed.

My improved egg-boiler just described operates as follows: The vessel 1 is filled with cold water above the level of the lower edge of the flaring flange 5, the eggs placed therein, and the cover secured in position. When the water boils, steam is generated under the dome of the cover and within the flaring flange 5. As the steam is forced up through the whistle, it causes a tone to be emitted which indicates that the eggs have been boiled to a healthy consistency—as, for instance, that of a plum. The escaping steam passes out through the side opening 13, and the sound of the whistle, owing to the presence of the flaring opening 14, is thrown sharply and clearly to all parts of the room. If it is desired to boil the eggs hard, the time can be measured from the instant the whistle first sounds.

The whistle is to be so constructed as to emit a warning-sound at the proper moment.

Any other analogous musical instrument can be substituted for the whistle; but I prefer this form as the easiest and most inexpensive construction.

The function of the flaring flange 5 is to concentrate the generated steam and direct it toward the whistle in the apex of the dome of the cover.

The knob 11 is employed both as a means of removing the cover and as a socket or guard for the whistle, and being in screw-threaded engagement with the cover it can be removed to clean or repair the whistle.

I claim—

An egg-boiler consisting of a metallic vessel provided with a dome-shaped cover having the usual annular flange to retain the cover in the mouth of the vessel and provided
5 with an inner flaring annular flange extending down into the vessel, a musical instrument located in the apex of the dome of the cover and a removable knob or handle surrounding the musical instrument and pro-
10 vided with side and top outlets for the escape

of the steam and the sound of the musical instrument as and for the purpose stated.

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

WILLIAM STIEFELHAGEN.

Witnesses:

W. T. MILLER,

F. P. RUSTEN.