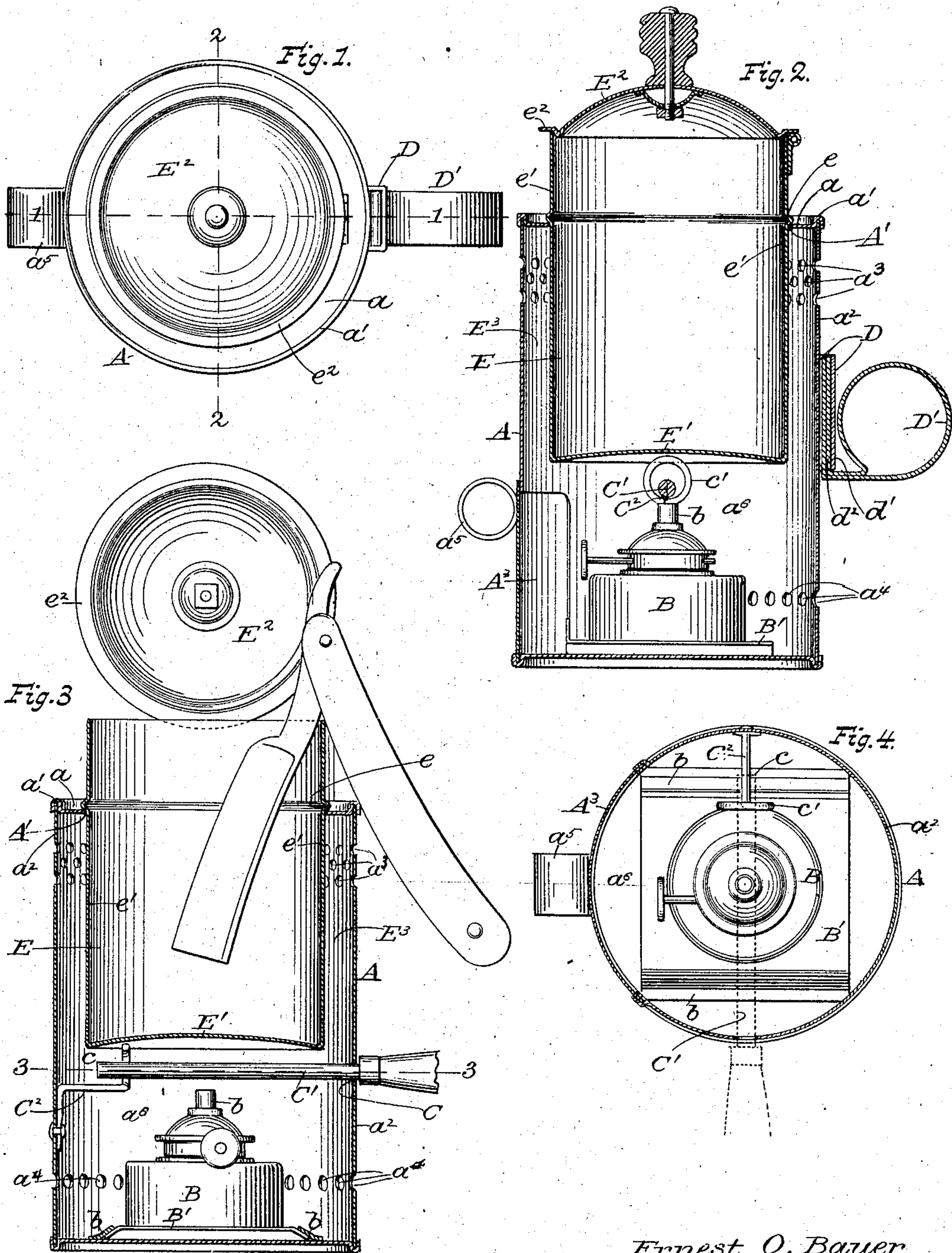


No. 791,862.

PATENTED JUNE 6, 1905.

E. O. BAUER.
STERILIZER FOR BARBERS' USE.
APPLICATION FILED JAN. 16, 1904.



Witnesses.

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UNITED STATES PATENT OFFICE.

ERNEST O. BAUER, OF VALATIE, NEW YORK.

STERILIZER FOR BARBERS' USE.

SPECIFICATION forming part of Letters Patent No. 791,862, dated June 6, 1905.

Application filed January 16, 1904. Serial No. 189,290.

To all whom it may concern:

Be it known that I, ERNEST O. BAUER, a citizen of the United States, and a resident of Valatie, in the county of Columbia and State of New York, have invented new and useful Improvements in Sterilizers for Barbers' Use, of which the following is a specification.

This invention relates to an apparatus operated by any suitable source of heat and adapted for use for heating water for barbers, sterilizing razors, heating curling-irons, &c.; and it consists in the novel combinations of parts hereinafter described, and set forth in the claim.

The objects and advantages of these improvements will be clearly understood by this description when taken in connection with the drawings, in one sheet, and forming a part of this specification, in which—

Figure 1 is a plan of the apparatus. Fig. 2 is a longitudinal section taken at line 1 in Fig. 1. Fig. 3 is a longitudinal section taken at line 2 in Fig. 1, and Fig. 4 is a section taken at line 3 in Fig. 3.

Similar letters of reference indicate similar parts throughout the several views.

In the drawings, A is the heater, made with any suitable form and dimensions found to be adapted for several general purposes for use by barbers. This vessel A is preferably made of sheet metal coated with nickel or with enamel produced from mineral substances for preventing corroding of surfaces and for cleanliness of surfaces. The upper end of this heater A is provided with opening A' for receiving a water vessel for containing water to be kept heated. The top opening A' of this heater is provided with annular horizontal flange a and annular vertical flange a' , suitably connected with the upper end of wall a^2 , and serves as a guard for holding handles of razors off from contact with the wall of the heater when the blades of the same are suspended in the water-heating vessel E. Below said flange a are provided one or more series of perforations a^3 for passage of the products of combustion from the source of heat which may be used in this apparatus, and in the lower portion of wall a^2 of this

heater is provided a series of perforations a^4 for admission of air for support of combustion of the combustible material which may be employed as a source of heat.

A³ is a suitable door having handle a^5 provided in the lower part of the wall of this heater A for ready access to the lower portion a^6 of the chamber of the same for introducing a spirit-lamp B or other lamp or for lighting a gas-burner, as may be required, for producing heat. I at present prefer to employ a spirit-lamp, as shown, for burning wood-alcohol, which liquid fuel is preferred because the combustion of that fluid is unattended by smoke and is comparatively odorless and inoffensive.

C is a perforation provided in wall a^2 at any suitable point therein opposite the lower portion of the chamber containing the lamp B and at a point in said wall which is relatively above the wick tube or tubes b for introduction of a curling-iron C', required to be heated. Opposite from said perforation C and suitably supported from opposite wall portion of heater A is a bracket C² for support of the outer end c of said instrument. I at present prefer to provide said bracket C² with suitable loop c' for receiving the outer ends c of the curling-iron for preventing the body portion of the same being lifted upward from said bracket by preponderance of weight of its outside handle or from other causes. This heater A is also provided on its outer side of wall a^2 at a place about midway between its top and bottom with a socket from bracket D securely fixed on said wall, preferably by rivets, and adapted to receive from its lower end d' the tongue d^2 of the removable ring-form handle D', by which this apparatus may be lifted and carried. By this provision of the detachable handle D' and socket-form bracket D the handle may be readily removed from heater A while the apparatus is in place on a table or other support, and thereby be preserved cool and ready to be used and out of the way as a projection. This handle may be readily placed in said socket-form bracket for service as a lifting device for carrying the apparatus.

The lamp B is preferably provided with a square-form base-piece B', while the bottom of the heater is provided with ways *b b* for guiding the lamp when being introduced or removed and for holding the same secure from shifting or tipping and yet be readily removable.

E is water-heating vessel, preferably cylindrical and made of sheet metal coated with suitable material for cleanliness and with a diameter smaller than that of the heater A, so as to nicely fit opening A' of the same, and its bottom E' is preferably concave from its lower side. An annular bead *e*, projected outwardly from the wall *e'* of this vessel E, seats down on the annular flange *a* of upper end of the heater A. A cover E² is provided and hinged on the upper end of vessel E with its annular flange *e*² closing all around on the upper end of walls *e'* of the vessel, so that but little or any vapor may escape from said vessel. Between the upper portion of the wall *a* of heater A and the wall *e'* of vessel E is annular flue E³, extending upward from the concave bottom E' of this latter vessel when in place, in which flue the products of combustion move and circulate in contact with the wall *e'* of the said vessel.

This apparatus is adapted for use of barbers for quickly heating and keeping heated water for sterilizing the blades of razors and at the same time holding curling-irons suitably between the flame of the lamp and the bottom

of the water-heating vessel, so as to be in readiness for use.

It will be understood that this heater A may be made in form and dimension for holding one or more vessels for containing water to be heated and for containing means for holding one or more instruments to be heated and for other operations, as above described, without departing from the spirit of this invention.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

A sterilizer comprising an outer casing formed with openings near the top and bottom, a flange extending inwardly from the casing, a heating vessel within the casing and supported by the flange, the vessel extending above the flange and forming a support for a razor or like, the upper edge of the casing forming a guide for the handle of said razor, a heating medium in the casing below the vessel, a support within the casing below the vessel, and in alinement with an opening in the casing, the support and opening forming a holder for an article between the heating medium and the bottom of the vessel, substantially as described.

ERNEST O. BAUER.

Witnesses:

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