C. E. BERGER.

EGG BOILER.

APPLICATION FILED MAR. 29, 1915.

1,184,811. Patented May 30, 1916.

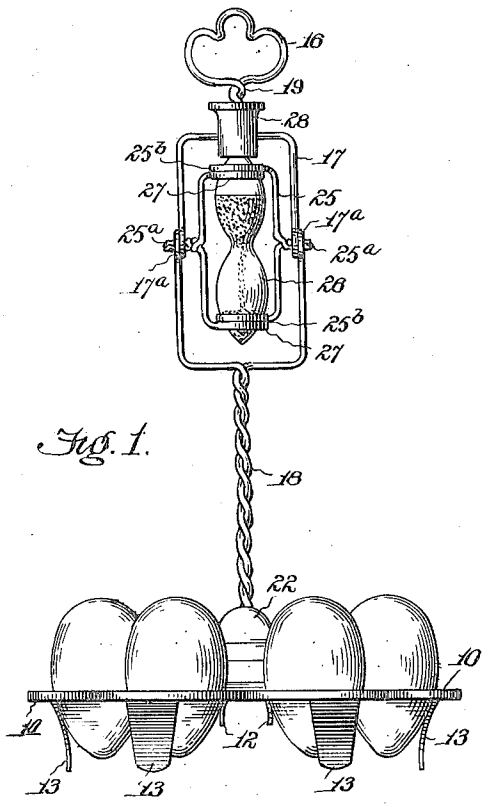


Fig. 1.

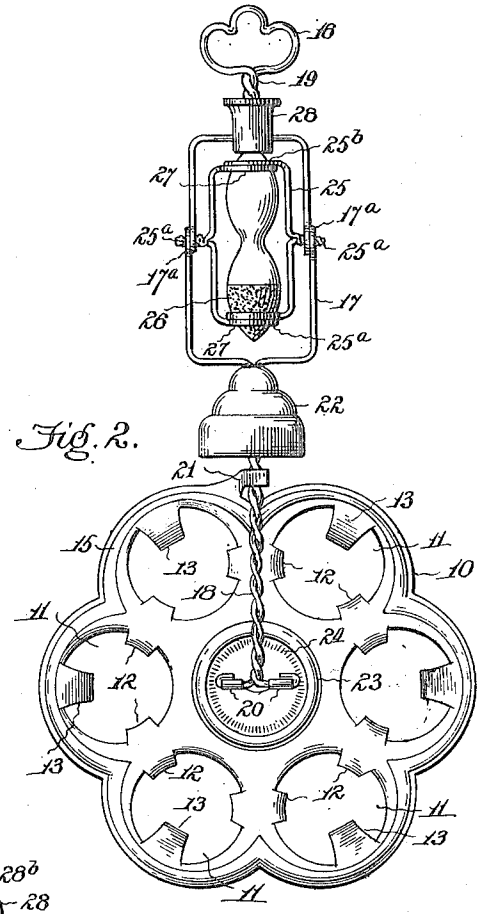


Fig. 2.

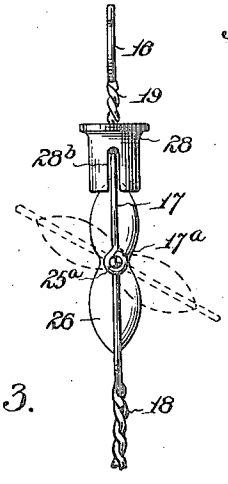


Fig. 3.

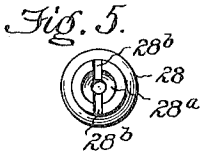


Fig. 5.

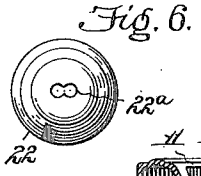


Fig. 6.

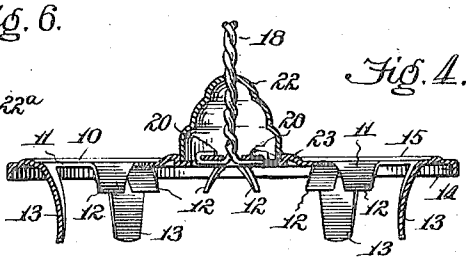


Fig. 4.



Fig. 7.

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UNITED STATES PATENT OFFICE.

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EGG-BOILER.

1,184,811. Specification of Letters Patent. Patented May 30, 1916.

Application filed March 29, 1915. Serial No. 17,736.

To all whom it may concern:

Be it known that I, CHARLES E. BERGER, a citizen of the United States, residing at Munhall, in the county of Allegheny and State of Pennsylvania, have invented an Egg-Boiler, of which the following is a full and complete specification.

My invention relates to culinary appliances, and is more especially an improvement in devices for use in boiling eggs.

The primary object of my present invention is to provide a simple and effective device for conveniently placing eggs in and removing them from a boiler or cooking vessel, and which may be readily folded into compact form for shipment and for suspending the same from a nail closely against a wall or other support, when not in use.

With these principal objects in view my invention contemplates the provision of a tray in which the eggs are supported, a handle for the tray connected thereto so as to be foldable thereon, and means for holding the handle in folded and extended positions, respectively; all as hereinafter fully described in the specification and more specifically set forth in the appended claims.

In the accompanying drawings, which form a part hereof: Figure 1 is a front view of an egg-boiler constructed in accordance with my present invention. Fig. 2 is a similar view, showing the handle folded down upon the tray and in locked engagement therewith. Fig. 3 is a detail view, to more clearly show the means employed for supporting a three-minute glass within the handle. Fig. 4 is a sectional view through the tray, and showing the manner of connecting the handle thereto. Figs. 5, 6, and 7 are views in detail, showing certain parts hereinafter referred to.

Like numerals of reference indicate like parts in all the figures of the drawings.

In carrying out my invention I provide in the first instance a tray 10, in which the eggs are carried and supported in the boiler or cooking vessel during the operation of boiling, said tray having a series of openings 11, each being of slightly less diameter than the largest diameter of an egg of ordinary size, so that the latter may seat within said opening, and in order to yieldingly support the eggs within the openings I provide resilient tongues 12 and 13, which project downwardly and inwardly from the edges of said openings, the tongues 13, at the outer portions of the several openings, being longer than the others to form feet upon which the device may rest to keep the eggs from the bottom of the boiler and from striking the top of a table when the tray is being filled thereon. This tray is preferably struck up from sheet metal, as tin, shaped in any suitable manner to provide the concentric row of openings 11, with the depending supporting-tongues 12 and 13; and to strengthen the tray I preferably provide a depending flange 14 at the outer edge thereof in connection with a marginal bead 15, said outer edge and bead following the contour of the outer portions of the openings for the purpose of ornamentation.

The tray is handled by a rod or handle which in the present instance is pivotally connected to the center thereof, to fold thereon, and comprises a grasping and suspending loop 16 at its outer end, a rectangular frame 17 near its outer end, and a threaded portion 18 between said frame and the tray. The rectangular frame 17 is provided with eyes 17^a in its side members, to pivotally support the carrying frame of the three-minute glass hereinafter described. The rod or handle is preferably formed of a single length of wire, which is first bent upon itself to form the grasping portion or loop 16, below which it is twisted together, as at 19, and the two portions of the wire then separated and bent to form the rectangular frame, and brought together and twisted to provide the threaded portion 18, the terminals of the wire being bent for pivotal engagement with ears 20, 20, struck up from the center portion of the tray. By this arrangement the handle provides a convenient means for carrying the tray. Furthermore, by pivoting the handle to the tray it may be folded down upon said tray for

compactness, and in this instance the handle or rod is held against said tray by engaging the same with a catch-member 21 under which the rod or handle is sprung. It will be noted, of course, that the frame 17, which is adapted to carry the three-minute glass, is so located with respect to the handle as to lie beyond the outer edge of the tray when the rod or handle is folded, the threaded portion 18 of the handle being extended a short distance beyond the catch member to permit the locking-cap or sleeve 22 to be also located beyond the edge of the tray when said handle is folded thereon. The locking cap is provided with twin-apertures 22^a, (Fig. 6), by which it is threaded on the portion 18 of the handle, and when the latter is raised said locking-cap will gyrate down said threaded portion and by turning the same against the tray will hold the rod or handle firmly extended, the upper surface of the tray being preferably provided with a circular bead 23 in which the locking-cap seats, and with a roughened surface 24 against which the lower edge of said cap will impinge to bind it in locked engagement.

The three-minute glass shown comprises a holding frame 25 and the glass 26, the frame having short gudgeons or trunnions 25^a, 25^a which engage in the eyes 17^a in the sides of the rectangular frame 17 of the handle. The holding frame 25 may be of any suitable construction, in the present instance being formed of wire to provide loops 25^b spaced apart to receive the opposite ends of the glass, and in order to protect said glass said wire loops are provided with rubber sleeves or small rubber tubing 27. However, instead of tubing I may provide each end of the glass with a protecting rubber cap, 29, (Fig. 7). In operation the three-minute glass is turned, so that the sand may run from one compartment to the other, and in order to hold the same in either upright position a sleeve 28 is slidably mounted on the portion 19 of the handle, above the frame 17, and provided at its lower end with a conical recess 28^a which fits over the upper end of the glass 26, said sleeve having slots 28^b in opposite sides to receive the upper members of the supporting frame 17.

The three-minute glass herein shown and described forms no part of the present invention, being made the subject-matter of a divisional application filed August 26th, 1915; Serial No. 47,546.

In using the device the handle is extended and locked, as shown in Figs. 1 and 4 of the drawings, and after the eggs are placed in the openings 11 of the tray the three-minute glass is turned and engaged by the sleeve 28, after which the device is immediately placed in the boiler or cooking vessel, so that when the sand runs from the upper to the lower compartment of the glass the eggs will have remained in the boiler the required three minutes. Of course instead of a three-minute glass one requiring four minutes for the sand to run out may be used, or one requiring any other period of time, as desired. When the device is not in use it is folded by turning it upside down to permit the locking sleeve to gyrate down the threaded portion 18 to the frame 17, and when the handle is folded on the tray it is shifted laterally to engage the catch-member 21. When thus arranged and hung on a nail the tray will lie flat against the wall, and when folded in this manner it may be conveniently packed for shipping.

As will be noted the device provides a very simple, cheap and effective means for boiling eggs, as it will permit them to be easily placed in the boiler or cooking vessel and removed therefrom, and after being removed the device with the eggs may be placed on the table and the eggs removed as they are needed for use.

Having described my invention, I claim:

1. An egg-boiler, comprising a supporting-tray for the eggs having a catch member at its outer edge, a handle pivoted to the center of the tray and having a threaded portion at its lower end, and a sleeve mounted on the handle to engage said threaded portion and impinge against the tray to hold the handle extended, and movable beyond the tray when the handle is folded to engage the aforesaid catch-member, substantially as shown and described.

2. An egg-boiler, comprising a supporting-tray having openings therein, resilient tongues of different lengths projecting downwardly and inwardly from the edges of said openings, the tongue at the outer edges of the openings being longer than the others to provide supporting feet, a handle pivoted to said tray, means for holding the handle extended from the tray, and means for holding the handle folded against said tray.

3. An egg boiler comprising a supporting tray having openings therein to receive the eggs and centrally provided with ears, a handle made of wire twisted together to form a threaded portion at its lower end with its terminals bent laterally to engage the aforesaid ears for pivotally connecting said handle to the tray, and a sleeve turning on the threaded portion of the handle to bind against the tray, substantially as shown and described.

4. An egg boiler comprising a supporting tray having openings therein to receive the eggs and centrally provided with ears, a handle made of wire twisted together to form a threaded portion at its lower end with its terminals bent laterally to engage

the aforesaid ears for pivotally connecting said handle to the tray so that it may fold thereagainst, a sleeve turning on the threaded portion of the handle to bind against the tray when the handle is extended, the threaded portion being of such length as to permit the sleeve to move thereon beyond the tray when the handle is folded, and a catch at the outer edge of the tray for engaging said handle.

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