

No. 844,441.

PATENTED FEB. 19, 1907.

H. H. BROWN.

EGG TESTER.

APPLICATION FILED SEPT. 19, 1906.

Fig. 1.

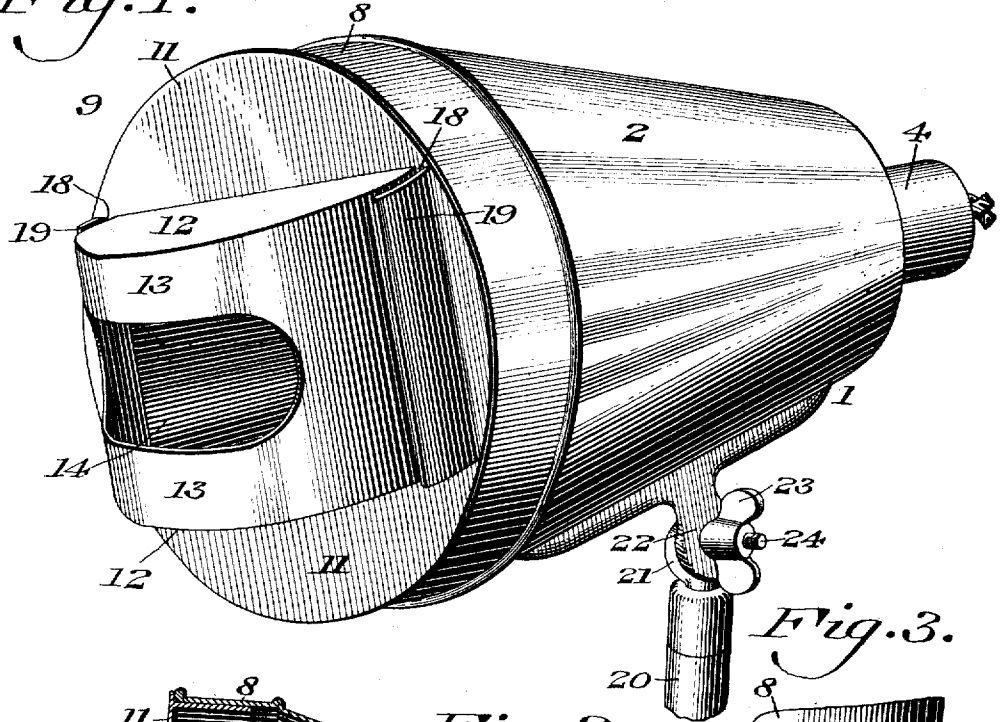


Fig. 3.

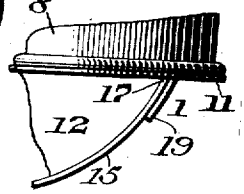
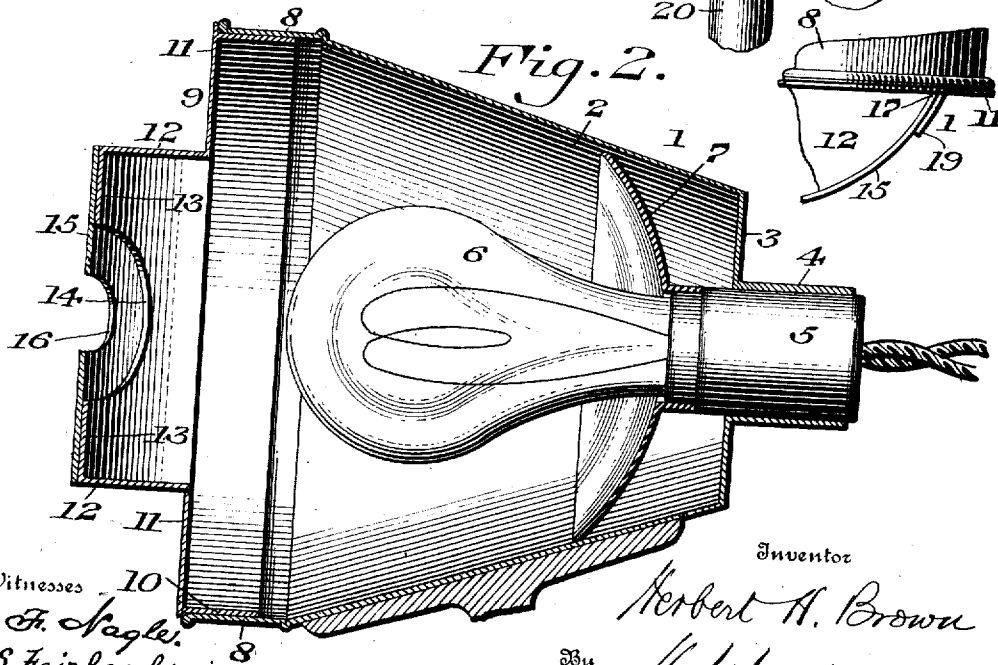


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

HERBERT H. BROWN, OF PHILADELPHIA, PENNSYLVANIA.

EGG-TESTER.

No. 844,441.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed September 19, 1906. Serial No. 335,266.

To all whom it may concern:

Be it known that I, HERBERT H. BROWN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a certain new and useful Egg-Tester, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention consists of a novel construction of an egg-tester wherein I employ a suitable casing adapted at one extremity thereof for the reception of an incandescent-light-bulb socket or other illuminator or source of light, while the opposite end of the casing is provided with a suitable closure, preferably detachable, and provided with an opening at which the egg to be tested may be held, provision being made for reflecting the rays of light from the illuminating device upon said egg and means being provided for regulating the size of the opening at which the egg is applied according to requirements.

For the purpose of illustrating my invention I have shown one form of apparatus which I have found in practice to best illustrate the principle of my invention, although it is obvious that the principal instrumentalities of which my invention consists can be variously arranged and organized, and in the accompanying drawings I have shown one embodiment which I have found in practice to give satisfactory results, although it is to be understood that my invention is not limited to this specific arrangement and organization of these instrumentalities.

To the above ends, therefore, my invention consists, broadly, of a novel construction of egg-tester having at one end provision for connection with a suitable illuminating device and at the other extremity a removable closure provided with an opening to which the egg to be tested may be applied.

Figure 1 represents a perspective view of an egg-tester embodying my invention. Fig. 2 represents a sectional view of Fig. 1. Fig. 3 represents a plan view of a portion of the closure for one end of the tester, showing the manner of applying the adjustable slide thereto.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, 1 designates my novel construction of egg-tester, the same consisting of the casing 2, which is conical in cross-section and whose smaller opening is

provided with the wall 3 and the extension 4, within which latter the socket 5 of an incandescent bulb or other source of light 6 is secured, said socket being provided with a reflector 7, which acting in conjunction with the conical shell or body 2 serves to reflect the rays of light to the desired point.

The outer end of the casing 2 has a laterally-extending flange 8, against which is adapted to be secured the cap or closure 9, the latter having the inwardly-projecting flange, rim, or wall 10, which in the present instance is adapted to telescope within the flange 8, although it will be apparent that the cap or closure 9 may be secured in engagement with the flange 8 by any other suitable means, if desired.

The flange 10 projects laterally from a wall 11, which may be of circular, elliptical, or other contour and has projecting laterally therefrom the walls 12, which are joined by the curved or convex wall 13, having the opening or slot 14 therein, against which the egg or other article to be tested or viewed may be placed. If it is desired to reduce the size of the opening 14, the same can be readily done by inserting therein a sheet of suitable material 15, having the reduced opening 16 thereon, as will be understood from Fig. 2, the ends 17 of said sheet being adapted to be retained between the ways 18, formed between the wall 19 and the juxtaposed portion of the plate 13, as will be understood from Figs. 1 and 3. In order that the device may be conveniently manipulated, I mount the same upon a standard 20, having an ear 21, against which the ear 22, attached to the casing 2, is adapted to contact, said ears being held in assembled position and the casing 2 being located at the desired inclination by means of the engagement of the thumb-nut 23 with the stud 24.

The operation is as follows: The egg or other article to be tested is placed at the opening 14 or 16, and the electric light having been turned on in the usual manner the condition of the egg or other article to be tested can be readily ascertained, since the rays of light will be caused to be thrown thereon by reason of the reflector 7 and the convergence of the inner walls of the casing 2, whereby the condition of the egg or other article can be instantly ascertained.

It will be apparent that I have a simple, cheap, and effective appliance for the purpose intended which can be readily trans-

mitted, is conveniently accessible for the purpose of inspection or repairs, and wherein the area of the slot through which the rays of light are directed can be flared or adjusted according to requirements.

It will be apparent that while I have described my invention as being especially adapted for the testing of eggs and the like it can be used for other purposes wherein it is desired to subject the article to be tested to a source of light, and I do not, therefore, desire to be limited to any particular use or adaptation of my device.

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

1. An egg-testing device comprising a tubular casing, a closing-plate over the rearward end, a source of artificial light within the casing mounted on said closing-plate, a flanged closure-cap removably mounted over the forward end of said casing, said cap having a centrally-disposed projecting portion forming a chamber adapted to support within it the article to be tested, said projecting chamber having a slotted opening in alignment with the source of light within the casing, means to vary the size of said opening, and means to operatively support the device at any angle of inclination; substantially as described.

2. In an egg-testing apparatus, a conical

casing 2 closed at one end, an electric-lighting device secured within said end, a reflector for said electric-lighting device, a removable closure 9 for the opposite end of said casing, said closure comprising the wall 11, the inwardly-projecting flange 10, the laterally-extending walls 12, the convex plate 13 therefor, ways 18 carried by said wall 11 and an apertured plate 15 adapted to have its ends secured in said ways.

3. In an egg-testing apparatus, a conical casing 2 closed at one end, an electric-lighting device secured within the other end, a reflector for said electric-lighting device, a movable closure 9 for the opposite end of said casing, said closure comprising the wall 11, the inwardly-projecting flange 10, the laterally-extending walls 12, the convex plate 13 therefor, ways 18 carried by said wall 11, an apertured plate 15 adapted to have its ends secured in said ways, a standard 20 having an ear 21, an ear 22 attached to the casing 2, and a device for locking said ears in position with respect to each other.

In testimony whereof I have hereunto affixed my signature this 14th day of September, A. D. 1906.

HERBERT H. BROWN.

Witnesses:

JOHN A. WIEDERSHEIM,
E. HAYWARD FAIRBANKS.