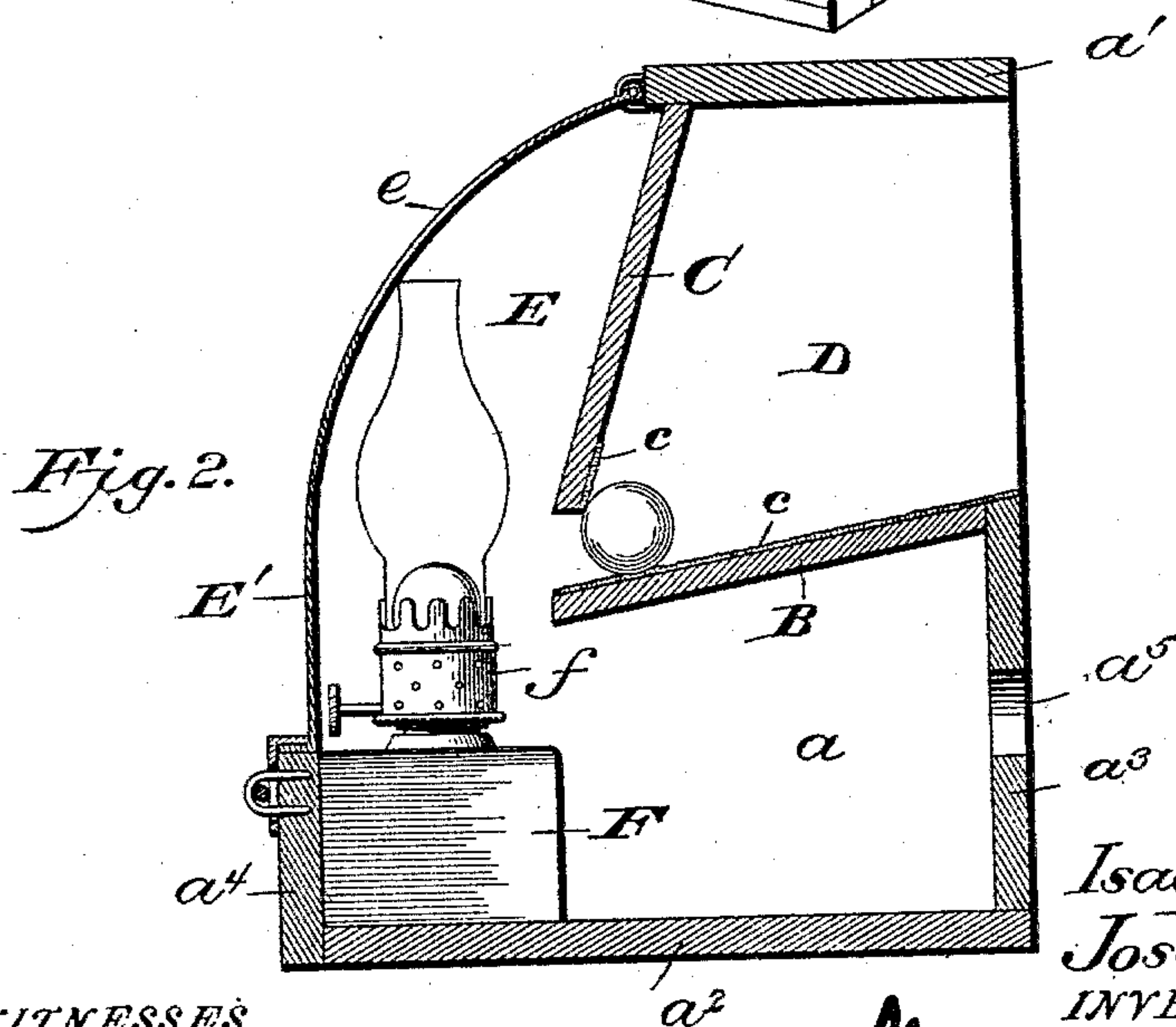
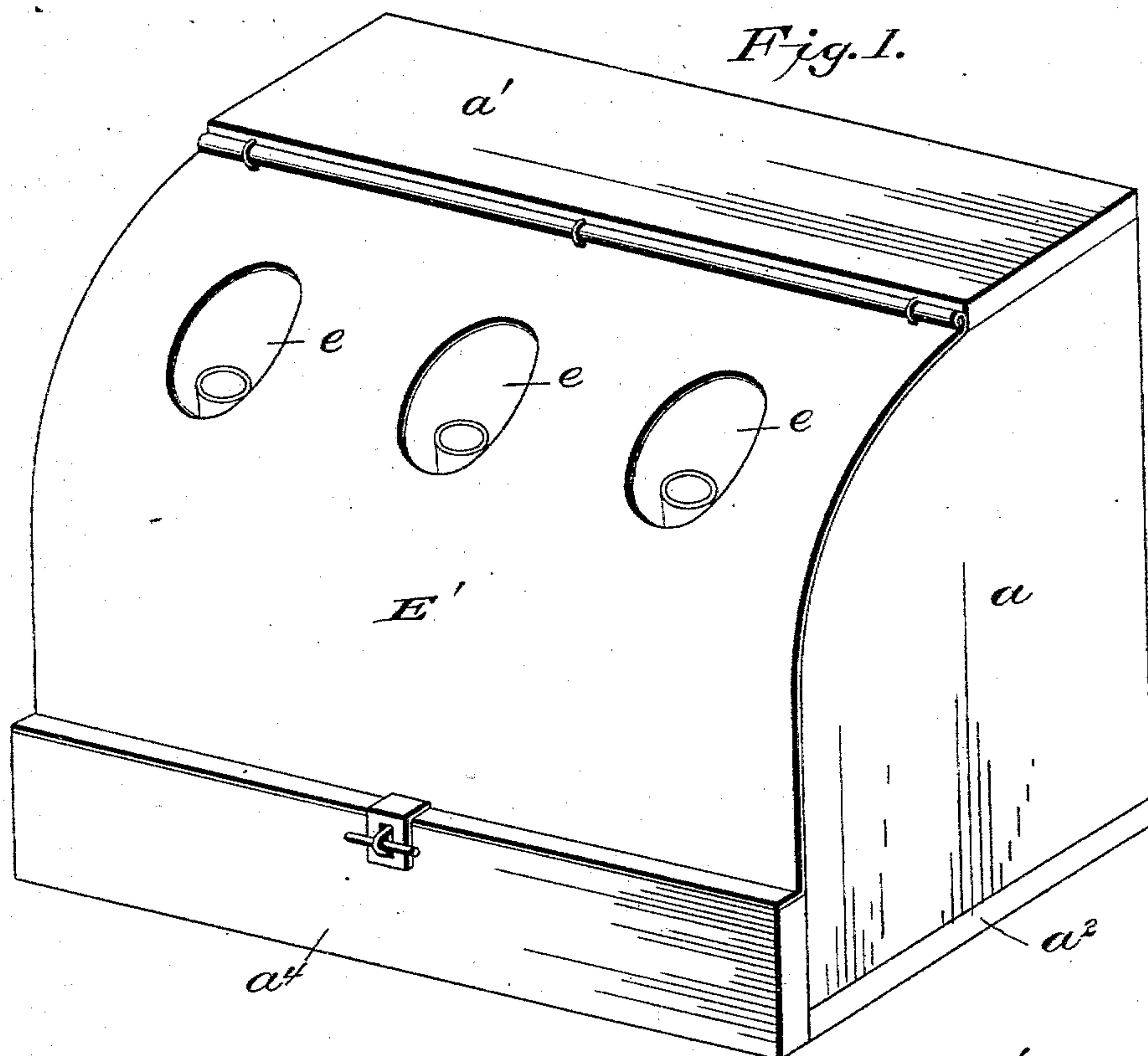


(No Model.)

I. & J. MILLER.  
EGG TESTER.

No. 561,906.

Patented June 9, 1896.



WITNESSES  
*L. S. Elliott.*  
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by *[Signature]*

Isaac Miller  
-and-  
Joseph Miller  
INVENTORS

Attorney



# UNITED STATES PATENT OFFICE.

ISAAC MILLER AND JOSEPH MILLER, OF RICHWOOD, OHIO.

## EGG-TESTER.

SPECIFICATION forming part of Letters Patent No. 561,906, dated June 9, 1896.

Application filed November 9, 1895. Serial No. 568,440. (No model.)

*To all whom it may concern:*

Be it known that we, ISAAC MILLER and JOSEPH MILLER, citizens of the United States of America, residing at Richwood, in the county of Union and State of Ohio, have invented certain new and useful Improvements in Egg-Testers; and we 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 letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide an improved egg-tester which is simple in construction and in which the eggs can be tested by simply placing them in a chamber having a slit or opening communicating with a compartment, in which are placed a series of lamps, the light being reflected toward the opening or slit by means of a suitable reflector.

The invention consists of a frame or box having an inclined board, upon which the eggs to be tested are placed, a vertical board being placed above the lower end of the inclined board to form a slit or opening, beyond which is a compartment adapted to receive a series of lamps, the lid or cover of the compartment forming a reflector, which throws the rays of light toward the slit or opening, all as will be hereinafter fully set forth, and particularly pointed out in the claim.

In the accompanying drawings, forming part of this specification, Figure 1 is a perspective view of an egg-tester constructed in accordance with our invention. Fig. 2 is a vertical sectional view.

The frame of the device is made up of the side pieces  $a$ , top  $a'$ , bottom  $a^2$ , and end pieces  $a^3$  and  $a^4$ , which are rigidly secured to each other, the end pieces extending but a short distance above the bottom board, as shown in Fig. 2. Within this frame is secured a transverse board or shelf B, which is on a line with the upper end of the front board  $a^3$  and inclines downward therefrom. Above the lower end of the board or shelf B and to the side pieces  $a$  of the frame is secured a board C, which forms the rear wall of a chamber D, the forward end of which is open. The lower end of the board C is lo-

cated a short distance above the rear end of the board or shelf B, so as to form a slit or lateral opening, which communicates with a compartment E, having a lid or cover E', which is hinged at its upper end to the rear edge of the top  $a'$  of the frame, the lower end of said lid resting upon the upper edge of the end piece  $a^4$ , to which it is secured by the ordinary hasp and staple. Within the compartment E is placed a reservoir F, which is placed upon the bottom board  $a^2$ , and is provided with a suitable number of lamp-burners  $f$ , carrying chimneys. The cover or lid E' has a corresponding number of openings  $e$  on a line with the chimneys of the lamps to permit the escape of the products of combustion.

The compartment which contains the lamps communicates with the space below the board or shelf B, so that an opening  $a^5$  in the end piece  $a^3$  will supply air to the lamps.

The walls of the chamber D are preferably painted black, and the upper surface of the shelf B and lower end of the board C have attached thereto strips  $c$ , of black cloth, to form a cushion for the eggs which are placed in said chamber.

The lid or cover E is preferably made of metal and curved as shown, the inner side being burnished or polished, so as to reflect the light from the lamps toward the slit or opening below the lower end of the board C.

The device shown and described presents a very cheap, simple, and convenient egg-tester, in which the eggs can be readily placed in the chamber D against the lower end of the board C, so that the light from the lamps can be reflected through them, and after being tested can be quickly removed and others placed in position for testing. The cloth surfaces reduce the liability of the eggs being broken in placing them in the chamber.

We are aware that prior to our invention it has been proposed to provide egg-testers with shelves having independent apertures in which the eggs are placed, a lamp being located on one side of the shelf and a chamber on the other side, through which the eggs are viewed, and we do not claim such invention, broadly; but

What we claim as new, and desire to secure by Letters Patent, is—

An egg-tester, consisting of a frame or cas-



ing constructed to provide a board or shelf  
B and depending board C both inclined in-  
wardly and forming with the top of the frame  
an open chamber having a transverse slit or  
5 opening at its rear end, cloth strips *c* attached  
to the shelf and to the lower end of the board  
C, a metallic lid or cover *E'* forming one side  
of a compartment *E*, said lid or cover having  
openings *e* and a polished inner surface, and  
10 a lighting device positioned in the compart-  
ment *E* in front of the polished surface of the  
lid, the inclined shelf B and bottom and front

wall of the frame providing a space which  
communicates with the compartment *E* and  
has an inlet-opening *a*<sup>5</sup>, the parts being com- 15  
bined and organized substantially as shown  
and for the purpose set forth.

In testimony whereof we affix our signa-  
tures in presence of two witnesses.

ISAAC MILLER.  
JOSEPH MILLER.

Witnesses:

S. D. EVANS,  
L. L. J. KOCH.