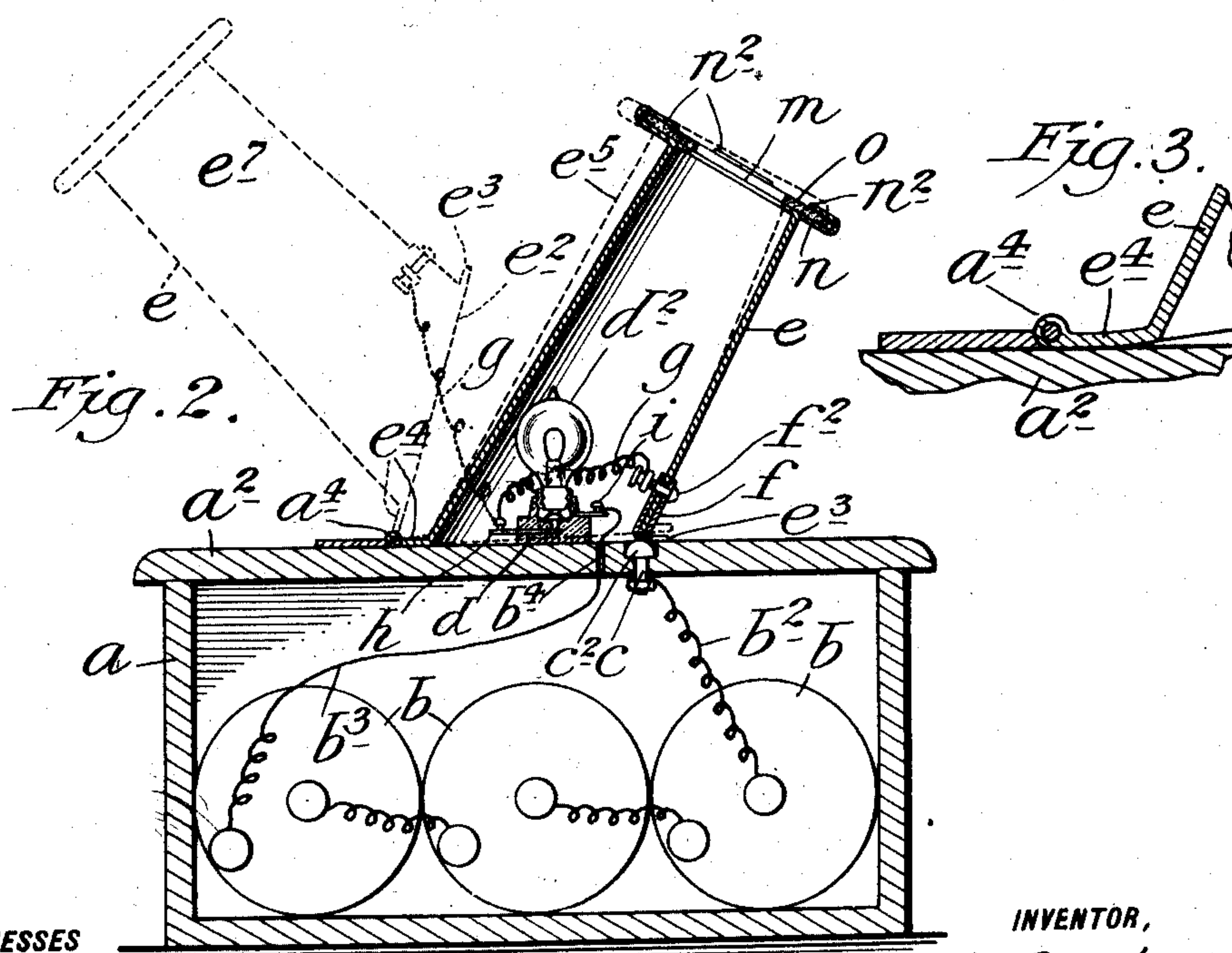
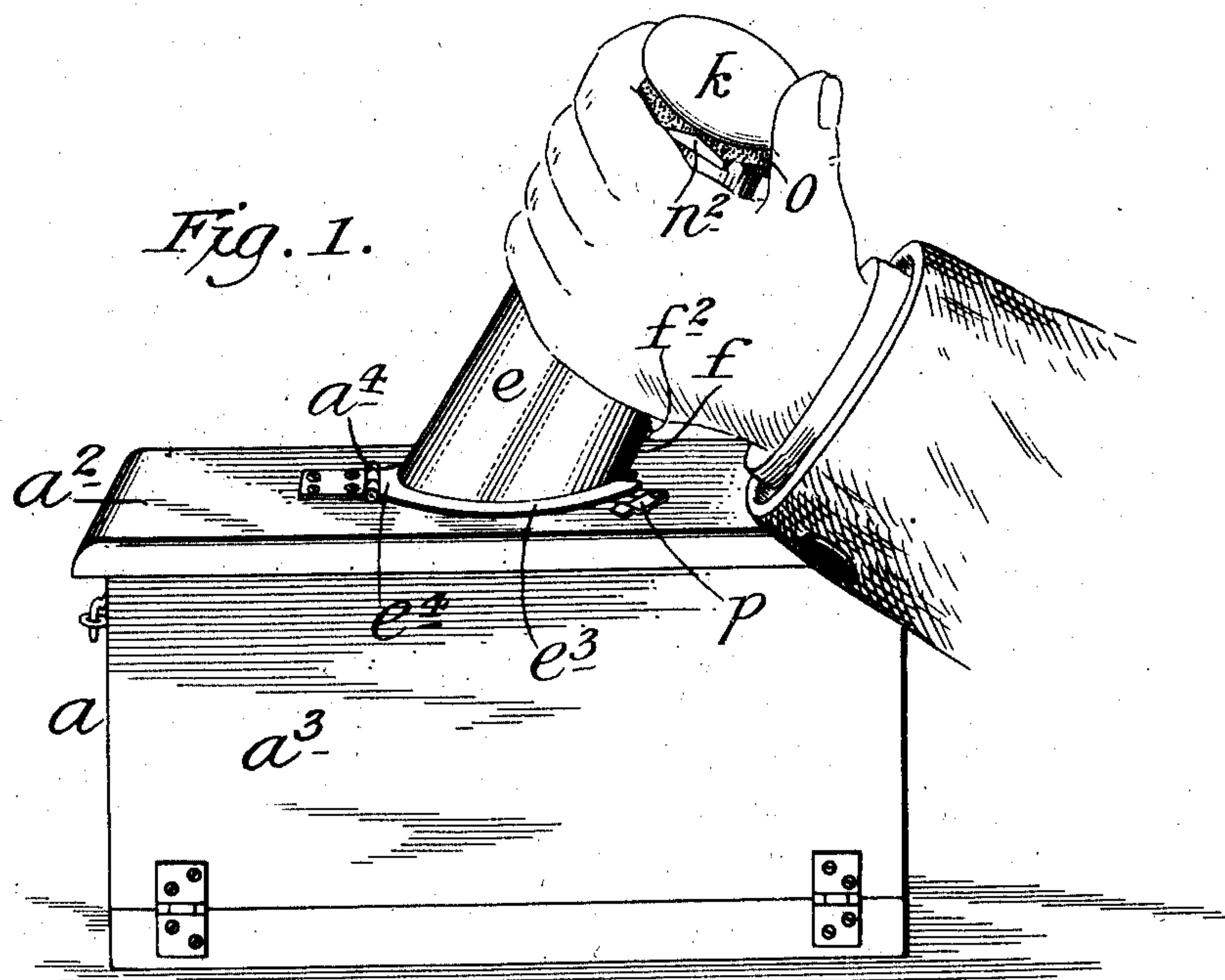


No. 883,308.

PATENTED MAR. 31, 1908.

F. W. GAYLOR.
EGG TESTING DEVICE.
APPLICATION FILED DEC. 16, 1907.



WITNESSES

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EGG-TESTING DEVICE.

No. 883,308.

Specification of Letters Patent.

Patented March 31, 1908.

Application filed December 16, 1907. Serial No. 406,620.

To all whom it may concern:

Be it known that I, FRANK W. GAYLOR, a citizen of the United States, and residing at White Plains, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Egg-Testing Devices, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an egg testing device which is simple in construction and convenient of manipulation or operation and by means of which eggs may be quickly and rapidly tested so as to determine the quality thereof; and with these and other objects in view the invention consists in a device of the class specified constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a perspective view of my improved egg tester and showing the method of operating the same, Fig. 2 a sectional side view of the tester and showing a part thereof in different positions in dotted lines, and;— Fig. 3 a sectional detail of the construction shown in Fig. 2 on an enlarged scale.

In the practice of my invention I provide a suitable box or receptacle *a*, having a cover *a*² and preferably provided at one side with a hinged door *a*³, and in the box *a* is placed a plurality of batteries *b* which are shown in series in Fig. 2. The right hand battery *b* is provided with a wire *b*², and the left hand battery with a wire *b*³, and the wire *b*³ is connected with a headed bolt or similar device *c* secured in the cover *a* of the box, and provided with a counter-sunk head *c*² which is flush with or slightly above the top surface of the cover *a*².

The wire *b*³ is carried through the cover *a*² as shown at *b*⁴, and secured to the top of the cover *a*² rearwardly of the bolt or similar device *c* is an ordinary electric light socket *d* having a detachable electric light bulb *d*². Hinged to the cover *a*² of the box rearwardly of the light socket *d* as shown at *a*⁴ is a tubular hood *e* open at both ends, and the lower or hinged end of which is slightly greater in diameter, in the form of construction shown, than the upper end.

The lower end of the hood *e* is cut out at an inclination as shown at *e*², and provided with an annular flange *e*³, the rear edge portion of which is extended backwardly as shown at *e*⁴ and forms a part of the hinge at *a*⁴.

Secured to the front bottom edge of the hood *e* is a yoke-shaped contact piece *f* through which is passed a binding post *f*², with the inner end of which is connected a wire *g*, and this wire *g* is connected rearwardly of the lamp socket *d*, in the form of construction shown, with a metal strip *h* which extends inwardly through the base portion of the lamp socket and is connected with one of the contact devices in the bottom portion of said socket, and the wire *b*³ which is connected with the left hand battery *b* is also connected with a metal strip *i* which extends inwardly through the lamp socket *d* and is connected with the other contact device in the bottom of said socket.

That part *e*⁴ of the flange *e*³ at the bottom of the hood *e* which forms a part of the hinge *a*⁴ is bent as shown in Fig. 3, and this forms a spring which normally holds the hood *e* in the position shown in dotted lines at *e*⁵ in Fig. 2, and in this position of the hood the contact device *f* which is designed to make connection with the head *c*² of the bolt *c* does not rest on said bolt or said head and the circuit is not complete through the lamp.

Whenever it is desired to test an egg, the egg is taken in the hand as shown at *k* in Fig. 1 and placed over an opening *m* in the upper end of the hood *e* and in the same operation the hood *e* is pressed forwardly so as to bring the contact piece *f* into connection with the head *c*² of the bolt *c*; and this completes the circuit through the lamp, and the condition of the egg may be instantly determined in the usual manner.

The upper or free end of the hood *e* is provided with an annular inwardly and outwardly directed flange *n*, and placed thereon is an annular strip *o* of felt which is held in place by clips *n*² formed integrally with the flange *n*, and the strip *o* of felt forms an opening in which the egg, or over which the egg is placed. When the device is not in use, or at any other time if desired, the hood *e* may be turned back into the position shown in dotted lines at *e*⁷ in Fig. 2, and the wire *g* is long enough to permit of this operation.

One of the chief features of this invention consists in the fact that when the hood *e* is pressed forwardly into its foremost position

the circuit is completed through the lamp, but this is only done as above described in the operation of testing eggs, and normally when the pressure is not applied to the hood it rests in the position shown at e^5 and the circuit through the lamp is not completed.

Pivoted to the top or cover a^2 of the box is a clip or catch p and this, when desired may be turned so as to engage the flange or rim e^3 at the bottom of the hood e and lock said hood in a closed position and when this is done the circuit through the lamp will be completed and the lamp will remain in operation until the clip or catch p is turned out of engagement with said flange, when the hood will be thrown into the position shown in dotted lines at e^5 in Fig. 2 and the circuit through the lamp will be broken.

My invention is not limited to the exact shape of the hood e , nor to various other details of the construction shown and described, and changes therein, and modifications thereof may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

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

1. An egg testing device comprising a box or support, an electric light mounted thereon, a hood hinged thereto at one side of the electric light and adapted to be turned into a closed or an open position so as to inclose or expose said light, said electric light and said hood being in an electric circuit which is closed by fully closing the hood and opened by the opening of the hood.

2. An egg testing device comprising a box or support, an electric light mounted thereon, a hood hinged thereto at one side of the electric light and adapted to be turned into a closed or an open position so as to inclose or expose said light, said electric light and said hood being in an electric circuit which is closed by fully closing the hood and opened by the opening of the hood, said hood being normally tensionally held in a partially closed position.

3. An egg testing device comprising a box or case containing a source of electricity, an electric light mounted thereon, a contact device passing through the top of the box or case at one side of the electric light, a tubular hood hinged to the top of the box or case at the other side of the electric light and adapted to be swung into a closed or an open position so as to inclose or expose said light, said hood, said contact device and said light being in an open circuit which is closed by fully

closing the hood and opened by opening the hood.

4. An egg testing device comprising a box or case containing a source of electricity, an electric light mounted thereon, a contact device passing through the top of the box or case at one side of said light, a contact hood open at both ends and hinged to the box or case at the opposite side of said light, the bottom of said hood being cut off obliquely, said light, contact device and said hood being in an electrical circuit adapted to be closed by the closing of the hood and opened by the opening of the hood.

5. An egg testing device comprising a box or case containing a source of electricity, an electric light mounted thereon, a contact device passing through the top of the box or case at one side of said light, a contact hood open at both ends and hinged to the box or case at the opposite side of said light, the bottom of said hood being cut off obliquely, said light, contact device and said hood being in an electrical circuit adapted to be closed by the closing of the hood and opened by the opening of the hood, said hood being provided at its free end with an annular cushion.

6. An egg testing device comprising a box or case containing a source of electricity, an electric light secured to the top of the box or case, a contact device passing through the top of the box or case at one side of said electric light, a hood hinged at the other side of said light, and means whereby the closing of the hood over the light will complete a circuit therethrough and the opening of the hood to expose the light will open said circuit.

7. An egg testing device comprising a box or case containing a source of electricity, an electric light secured to the top of the box or case, a contact device passing through the top of the box or case at one side of said electric light, a hood hinged to the other side of said light, and means whereby the closing of the hood over the light will complete a circuit therethrough and the opening of the hood to expose the light will open said circuit, said hood being normally tensionally held in a partially closed position whereby the circuit is not closed.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this 14th day of December, 1907.

FRANK W. GAYLOR.

Witnesses:

C. E. MULREANY,
M. E. DOODY.