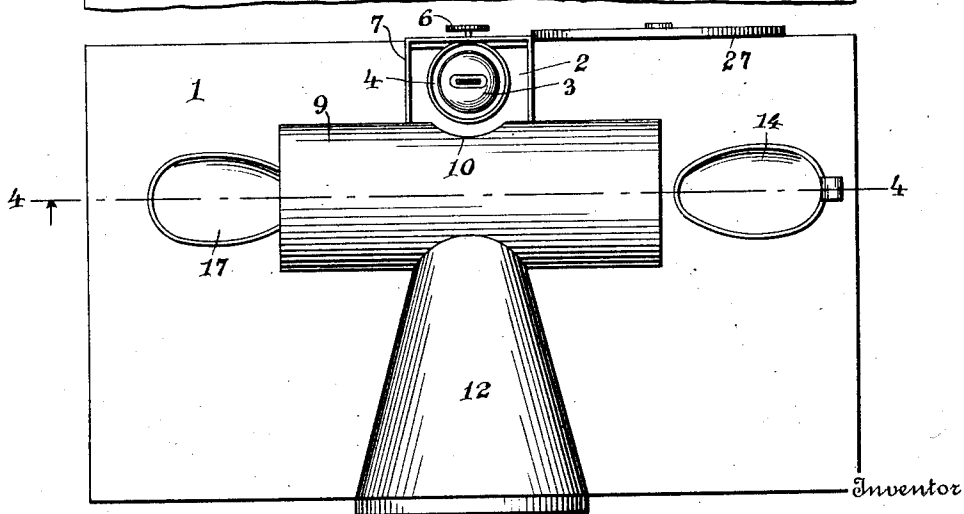
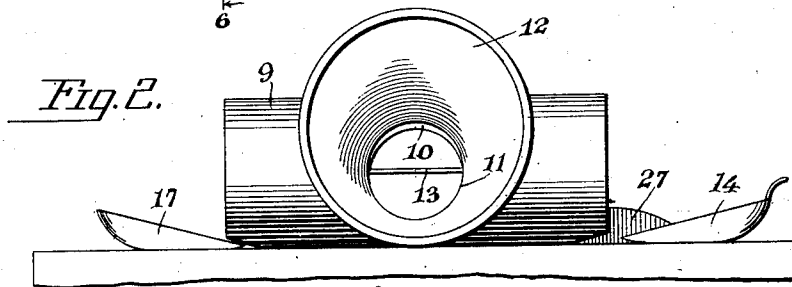
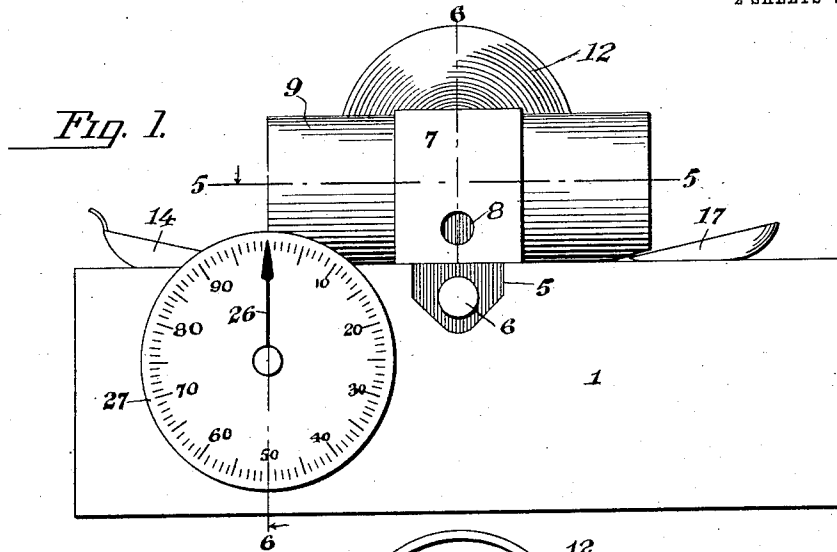


A. H. SEAY.
EGG TESTER AND ENUMERATOR.
APPLICATION FILED FEB. 28, 1912.

1,046,339.

Patented Dec. 3, 1912.
2 SHEETS—SHEET 1.



Witnesses

M. F. Sammet
E. Edwards

A. H. Seay

By Victor J. Evans
Attorney

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2 SHEETS—SHEET 2.

Fig. 4.

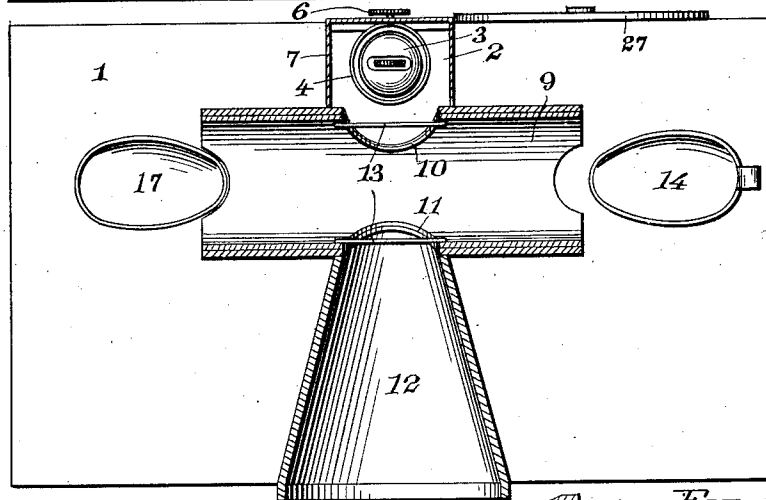
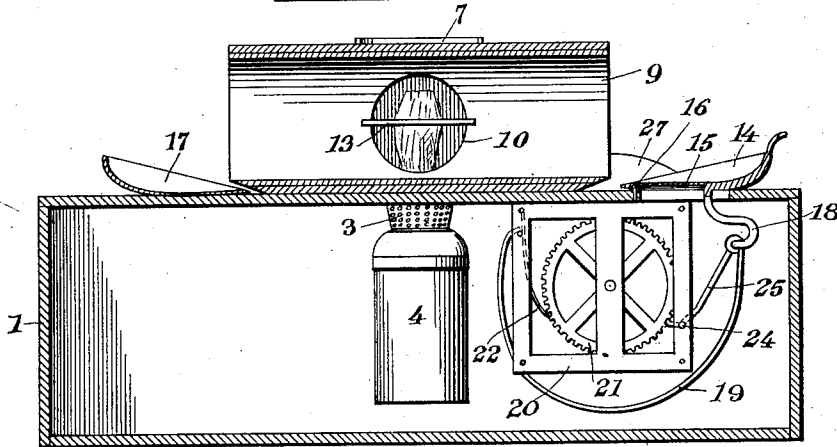


Fig. 5.

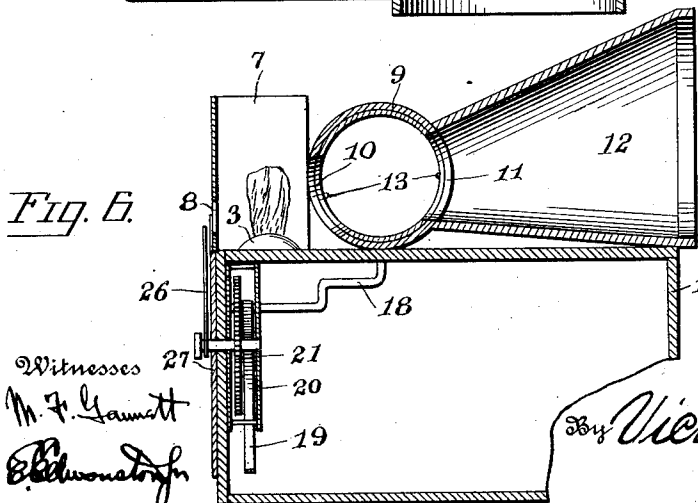


Fig. 6.

Inventor

A. H. Seay

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

ALBERT H. SEAY, OF MIAMI, OKLAHOMA.

EGG TESTER AND ENUMERATOR.

1,046,339.

Specification of Letters Patent.

Patented Dec. 3, 1912.

Application filed February 28, 1912. Serial No. 680,390.

To all whom it may concern:

Be it known that I, ALBERT H. SEAY, a citizen of the United States, residing at Miami, in the county of Ottawa and State of Oklahoma, have invented new and useful Improvements in Egg Testers and Enumerators, of which the following is a specification.

This invention relates to egg testers and particularly to combined egg testers and enumerators.

One of the principal objects of the invention is to provide a simple and efficient device of this character whereby the eggs may be passed across any path of light and in so feeding the eggs, the same will be counted.

Further objects of this invention will appear as the following specific description is read in connection with the accompanying drawing, which forms a part of this application, and in which:—

Figure 1 is a front elevation. Fig. 2 is a rear elevation. Fig. 3 is a top plan view. Fig. 4 is a section on the line 4—4 of Fig. 3. Fig. 5 is a horizontal section taken on the line 5—5 of Fig. 1. Fig. 6 is a vertical section taken on the line 6—6 of Fig. 1.

Referring more particularly to the drawing, 1 represents a casing which is provided with an aperture 2 in its top through which is exposed a burner 3 of a lamp 4. Communicating with this opening is an opening 5 formed in the front of the casing through which projects the wick operating stem 6. Surrounding the burner and extending above the casing is a chimney or guard 7 for the flame from the burner, this guard being provided with an opening 8 in its center through which the lamp may be lighted.

Mounted upon the top of the casing is an elongated tube 9 of sufficient diameter to permit the passage of the eggs and preferably being lined with some material which will act as a cushion to prevent the breakage of the eggs. This tube is open at both ends and is provided with diametrically opposite openings 10 and 11, the former of which communicates with the shield or guard 7, the latter of which communicates with an opening in the eye piece 12 secured to the top of the casing. The openings have extending across them suitable retaining members 13 which prevent the eggs from getting caught in the openings.

In order to pass the eggs through the tube

9, there is slidably mounted upon the top a scoop-shaped body 14 which is provided with a slot 15 in which a headed stud 16 operates, this stud limiting the movement of the scoop-shaped body with engagement with the end walls of the slot. A similar scoop-shaped member 17 is secured to the top of the casing at the opposite end of the tube and is adapted to receive the eggs as they are discharged from the tube.

The scoop member 14 is connected by means of a rod 18 to the end of a retracting spring 19 which is carried by the frame 20, mounted in the casing, and having journaled therein a ratchet wheel 21. This wheel is held against rotation in one direction by means of a spring pawl 22 and is rotated when the scoop is retracted by the spring by means of an arm 23 which is carried upon a rotating shaft 24 connected to the arms 18 by means of an arm 25. The shaft of the ratchet wheel 21 projects through the casing and has connected thereto a hand 26 which operates over a graduated dial 27 carried by the front of the casing.

The operation of the device is as follows, the lamp being first lighted: An egg is placed in the scoop member 14 and the scoop member forced forward and released. The sudden retraction of the scoop member will leave the egg within the tube and when a second one is placed in the scoop, the member is forced forward in a similar manner and the first egg will be carried to a point in line with the openings 10 and 11 in the tube. Each time the scoop member 14 is retracted by the spring, the ratchet wheel will be carried forward one point and the spring pawl will drop into the next notch.

What is claimed is:—

1. An egg tester comprising a casing, an egg receiving tube arranged on the casing and having apertures in opposite sides, means to feed eggs through the tube, a source of light carried by the casing upon one side of the tube, and a sighting device upon the opposite side of the tube, said source of light and sighting device being aligned with the apertures in the side of the tube.

2. An egg tester comprising a casing, an egg receiving tube carried thereby and having apertures in opposite sides, means for feeding the eggs through the tube, means controlled by the feeding tube for registering the number of eggs fed through the tube,

a source of light upon one side of the tube, and a sighting device on the opposite side of the tube, said sighting device and source of light being alined with the apertures in the side of the tube.

3. An egg tester comprising a casing, a tube mounted upon the casing and having apertures in opposite sides, means to feed eggs through the tube, guard members extending across the apertures, a sight tube alined with one of the apertures, and a source of light carried by the casing adjacent the other aperture.

4. An egg tester comprising a casing, an egg receiving tube mounted upon the casing,

and having apertures in opposite sides, a source of light adjacent one aperture, means for feeding eggs through the tube which comprises a slidably mounted member, and a spring for normally retracting said member, a ratchet wheel operated by said member upon the retraction thereof, and an indicator device controlled by the retraction of said member by the ratchet wheel.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT H. SEAY.

Witnesses:

LEWIS E. RUTH,

I. J. McCORKELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."