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EGG CANDLING DEVICE

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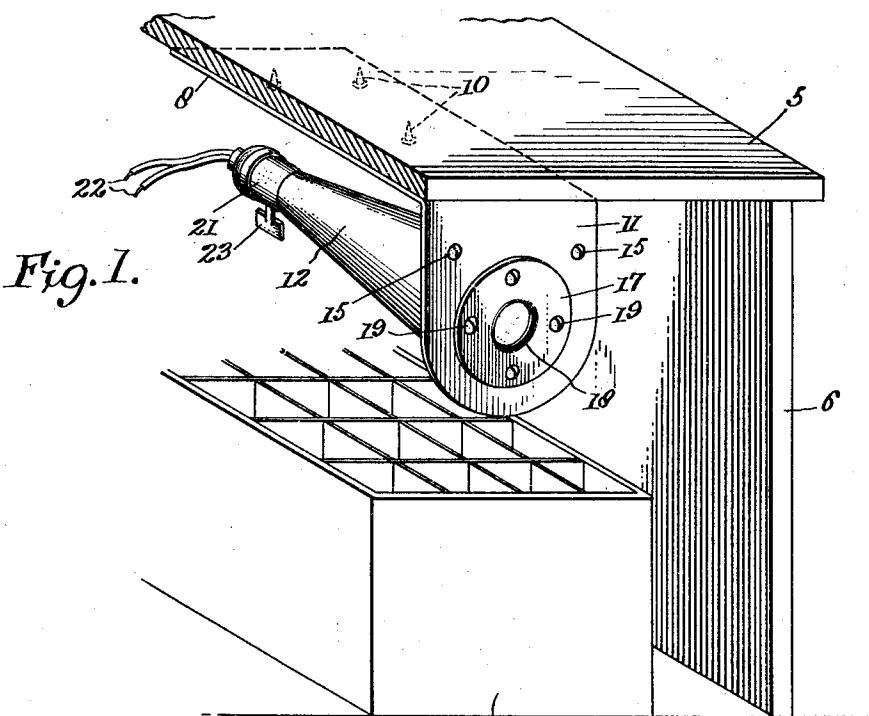


Fig. 1.

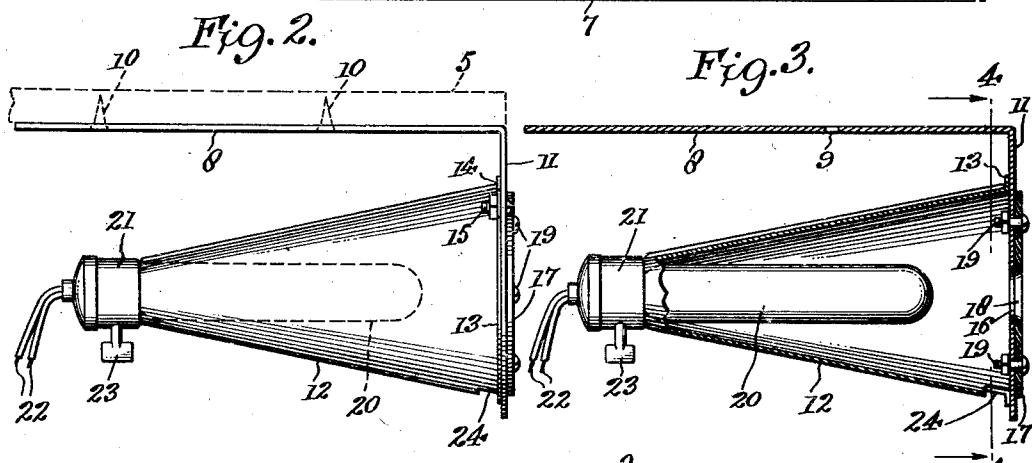


Fig. 2.

Fig. 3.

Fig. 4.

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## UNITED STATES PATENT OFFICE

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## EGG CANDLING DEVICE

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The present invention relates to improvements in egg candling devices, and has for an object to provide an improved candling device, which is so constructed and arranged as to be adapted to be placed beneath a table or work bench top where it will be out of the way, leaving the table top clear, yet at the same time the device is supported in a position where it may be conveniently reached for the candling of eggs.

Another object of the invention resides in providing an improved egg candling device which is of rigid and strong, yet simple construction and in which provision is made for its immovable mounting in place.

A further object of the invention lies in providing an improved egg candling device in which adequate provision is made for illumination to candle the eggs and also to illuminate the crate which is placed beneath the device.

With the foregoing and other objects in view, the invention will be more fully described hereinafter, and will be more particularly pointed out in the claims appended hereto.

In the drawings, wherein like symbols refer to like or corresponding parts throughout the several views,

Figure 1 is a fragmentary perspective view of a table and crate with the improved candling device mounted in position beneath the table top.

Figure 2 is a side elevation of the improved candling device.

Figure 3 is a similar view with parts broken away and parts shown in section, and

Figure 4 is a transverse section taken on the line 4—4 in Figure 3.

Referring more particularly to the drawings, 5 designates the top of a table or work bench which is supported on the legs 6, and 7 designates a crate for the eggs which is placed below the table.

The improved egg candling device is intended to be supported beneath the table top 5 and for this purpose a plate is employed for holding the device having openings 9 therein to receive the fastenings 10, which

50 pass up into the table top 5. The plate 8 is

provided with the out-turned portion 11 forming a bracket for supporting the funnel shaped reflector housing 12. This housing is of frusto conical shape and at its base or wider end, which is disposed toward the bracket 11, an out-turned flange 13 is formed which lies against the inner surface of the bracket 11 and gives a wide bearing against the bracket.

As shown in Figure 4, tongues 14 extend outwardly from the flange 13 at appropriate points to receive the bolts or other fastenings 15 by which the housing 12 is supported from the bracket 11. The base of the housing 12 is set concentrically about an opening 16 made in the bracket 11. Outwardly of the bracket plate 11 is a leather or other disc of padding 17 having an opening 18 to register with the bracket opening 16.

The disc 17 is secured to the bracket as by the bolts or other fastenings 19. Preferably the opening 18 is provided with a flared wall, as shown in Figure 3, to receive the eggs thereagainst. In the housing 12 is a source of illumination, a lamp 20 being shown. The lamp socket 21 is incorporated with the smaller end of the conical housing 12 and the leads or wires 22 extend through the smaller end of the housing 12. A switch 23 may be provided at an appropriate point for turning on and off the current to the lamp 20. The housing 12 at its outer wider portion is provided with a base slot 24 which is adjacent the bracket 11. This slot is of substantial axial width and circumferential length and is so positioned and arranged as to direct light rays from the lamp 20 down upon the crate 7. The interior surface of the housing 12 may be polished to act as a reflector.

In the use of the device, the parts are assembled, as shown in Figure 1, and the lamp 20 being energized, rays therefrom will issue from the reflector housing 12 out through the openings 16 and 18 and downwardly through the slot 24 thus illuminating the space beneath the table where the crate for the eggs may be placed.

The eggs, which may be contained upon the table top 5, are lifted by hand and applied against the leather or other padding 17 so

that the light issuing through the openings 16 and 18 may be utilized to inspect the condition of the egg. The eggs are then placed in the crate 7. The leather or other padding 17 will prevent injury to the eggs and will allow the operator to place the eggs rapidly against the padding without exercising that extraordinary degree of caution which would considerably reduce the number of eggs to be candler in a given time.

10 The parts are all contained beneath the table top 5 so as to leave the top free. The device will be found to be rigid and immovable when placed, as shown in Figure 1, 15 and the cords or leads 22 will be entirely out of the way. At the same time ample illumination will be provided from the lamp 20 to all parts where needed.

It will be appreciated that the device may 20 also be made with two candling openings, both padded with leather and located side by side about one and a quarter inches apart whereby the operator may view two eggs at one operation.

25 As constructed the device is rigid and furnishes light only where desired. The position of the device prevents it from being upset. The funnel reflector may be given other shapes so as to contain various forms 30 and sizes of electric globes, and the same may be designed to accommodate long or short, or large or small globes.

The plate 8 may be attached beneath the table top as shown in the drawings or it may 35 be attached to the upper surface of the top with the reflector funnel extending beneath the top. The device may be applied in any desired way depending on the height of the table and the desire of the person using the 40 same.

It is obvious that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit thereof, such changes and modifications being restricted only by the scope of the following claims:—

What is claimed is:—

1. An egg candler, comprising an elongated substantially conical housing, a lamp socket closing the smaller end of the housing and adapted to carry a lamp projecting into the housing, a front plate secured over the larger end of the housing and projecting at its lower edge beyond the housing to provide a light shield, said housing having a light slot in its bottom wall behind said shield, said plate having an extension at its upper edge bent backwardly in overhanging spaced relation relatively to the housing to provide a supporting bracket therefor for attachment beneath a work table, said plate having a central opening therethrough opposite the lamp socket, and a padding disc mounted against

the plate about said opening to receive eggs thereagainst.

2. An egg candler, comprising a substantially conical housing having an out-turned flange at its base and ears outstanding from the flange, a plate engaging over said base portion of the housing, means securing the ears to the plate to hold the latter in position with the plate projecting beneath the housing to provide a light shield, said housing having a light slot in the bottom thereof behind said shield, the upper portion of the plate extending backwardly over the housing for attachment to the underside of a work table to support the housing there-beneath, a lamp mounted in the smaller end of the housing, said plate having a central opening therethrough in line with said lamp and over which an egg is adapted to be supported.

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