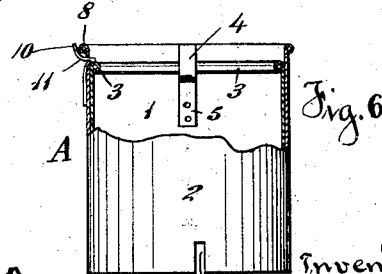
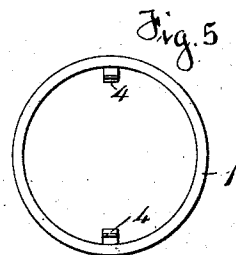
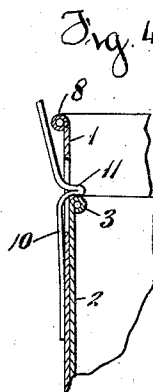
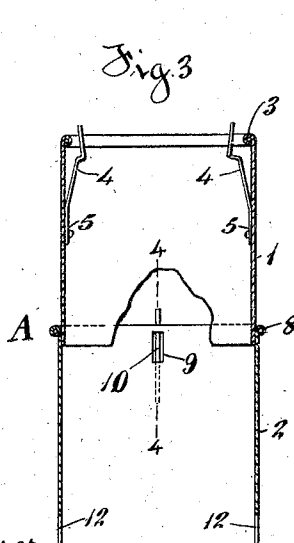
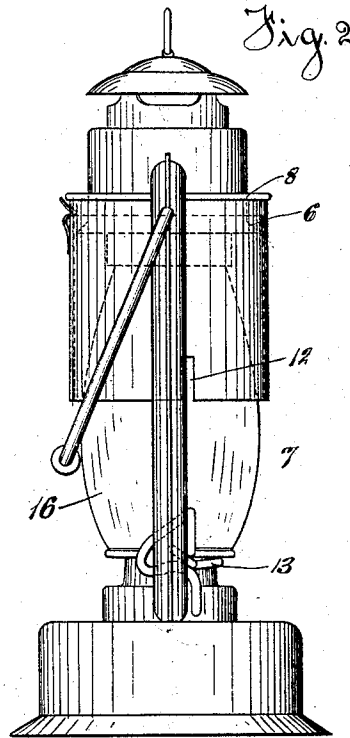
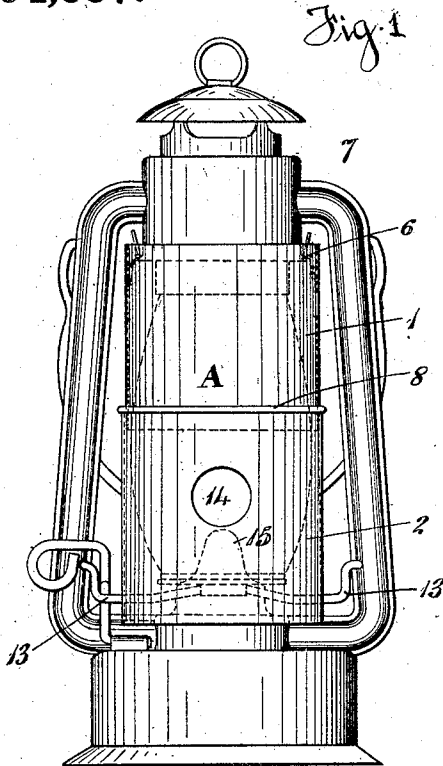


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EGG TESTER.

APPLICATION FILED APR. 13, 1911.

994,557.

Patented June 6, 1911.



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FREDERICK ANTENEN, OF HAMILTON, OHIO.

EGG-TESTER.

994,557.

Specification of Letters Patent.

Patented June 6, 1911.

Application filed April 13, 1911. Serial No. 620,911.

To all whom it may concern:

Be it known that I, FREDERICK ANTENEN, a citizen of the United States, residing at Hamilton, in the county of Butler and State of Ohio, have invented certain new and useful Improvements in Egg-Testers, of which the following is a specification.

My invention relates to improvements in egg testers.

10 The object of my invention is to provide an attachment for lanterns whereby the lantern may be used as an egg tester in addition to its regular functions as a lantern, and which will also serve as a shield to protect the clothing when the lantern is used to furnish heat in a conveyance.

My invention consists in providing a lantern of the usual construction with a telescopic cylindrical shield or mantle adapted to surround and inclose the globe or part of the lantern from which the light radiates, in such a manner that the light may be confined within said mantle, one section of said telescopic mantle having an opening through which the eggs may be tested, and the parts of said mantle adapted to be telescoped to expose the light on all sides of the lantern to perform its functions as a lantern.

My invention also consists in constructing said telescopic cylindrical mantle in such a manner that the parts thereof may be readily telescoped relatively to each other, in such a manner as to permit the same to be easily and quickly placed in position for use upon a lantern and also may be easily and quickly removed therefrom when it is desired to use the lantern without the egg tester in the usual manner.

My invention also consists in the peculiar construction, combination and arrangement and in the parts and combination of parts as herein set forth and claimed.

In the accompanying drawing which serves to illustrate the construction, application and use of my invention: Figure 1 is a side elevation, showing the mantle in position on the lantern for use as an egg tester. Fig. 2 is a side elevation, showing the parts of the cylindrical mantle telescoping to expose the light for use as a lantern. Fig. 3 is a vertical section of the mantle in extended position. Fig. 4 is a fragmentary sectional view on the line 4-4 of Fig. 3, showing the parts when telescoping or in the position shown in Fig. 2. Fig. 5 is a top view of section 1 of Fig. 3. Fig. 6 is a view partly in side elevation and partly in vertical section, showing the parts in telescoping position.

tion 1 of Fig. 3. Fig. 6 is a view partly in side elevation and partly in vertical section, showing the parts in telescoping position.

In the embodiment of my invention and which shows a preferred construction, A represents a metallic cylindrical mantle, or shield formed in two sections 1 and 2, the upper section 1 being adapted to telescope within the lower section 2. The upper section 1 is formed with an inturned bead 3 upon its upper edge to give the proper strength and finish to the structure, and is provided with the inwardly extending spring catches 4 secured to the body of the section by rivets 5 or otherwise, and having their upper ends projecting upwardly beyond the end of the section. These spring catches are adapted to take over and engage flange 6 of the lantern 7 of the usual construction. The lower section 2 of the mantle is provided with a bead 8 at its upper end to give it the proper strength and finish, said bead being turned outwardly.

A vertical slot 9 is formed near the top of section 2 and a spring catch 10 is suitably secured at its lower end to said section in alignment with said slot, said catch being provided with a projection 11 normally extending through said slot, and the upper end of said spring catch projecting beyond the upper end of section 2 as clearly shown in Fig. 4. A slot 12 is provided in the end of section 2 to allow the lifting arm 13 of the lantern 7 to enter to permit the section to be moved to its lowermost position, as shown in Fig. 1.

The manner of attachment of my device to a lantern and its method of use is as follows: Telescope section 1 within section 2, tilt the globe 16 of the lantern to one side, place the mantle over the same and return the globe to its proper position in the lantern, then move section 1 upwardly, pressing the spring catches 4 outwardly until above the flange 6 of the lantern, when the spring catches should be released, and will automatically spring into engagement with the upper edge of said flange and hold said section in proper position. If it is desired to use the device as an egg tester, section 2 should be moved downwardly to the position shown in Fig. 1, so that the opening 14 in section 2 through which to examine the eggs will be opposite the flame from the burner 15 of the lantern 7. When

it is desired to use the lantern as a lantern, move section 2 upwardly to the position shown in Figs. 2 and 4, allowing the projection 11 to spring over the upper edge of section 1, and thereby hold section 2 in its elevated position. To lower section 2 again for the purpose of an egg tester, simply press outwardly on the spring catch 10 to release the projection 11 and then move the section 2 downwardly to the position shown in Fig. 1.

When it is desired to remove the mantle from the lantern, simply reverse the operation above described for placing it upon the lantern.

When it is desired to test the eggs with this device, simply light the lantern and place sections 1 and 2 in the position shown in Fig. 1, taking the device into a dark room or cover it and the operator with a blanket to form a dark place and place the eggs in front of the opening 14, when the condition of the eggs will clearly appear to the operator.

One of the advantages of my invention is that I am enabled to combine in one useful article, a lantern of the ordinary construction, and an efficient egg tester, in such a manner that the lantern and egg tester may be used alternately to perform their separate functions, without removing the egg tester from the lantern, and by simply adjusting the parts of the mantle in a convenient manner or by removing it entirely from the lantern if desired.

Another advantage of my invention is that it is portable and may be readily carried to wherever the eggs may be stored or located, thus avoiding the necessity of taking or carrying the eggs to the tester as is usually necessary. With the use of my invention an egg buyer may travel from farm to farm and by means of this combined lantern and egg tester is provided with the necessary light for use under all circumstances and also with a strong light confined therein in such a manner that he may examine the eggs as he purchases them, regardless of whether it is light or dark, by simply covering the egg tester with a blanket or coat to provide a dark place, such as is necessary to afford the proper conditions of light and darkness for examining

eggs to determine their condition by looking through them from darkness into light.

Another advantage of my invention is that I am enabled to use the same cylindrical telescoping mantle as a shield whereby I am enabled to use the lantern as a heating device for use in vehicles or other conveyances, said mantle serving as a shield to protect the clothing of the occupants of the conveyance, and also to assist in retaining the heat.

Other advantages will be apparent from an examination of the device.

Various modifications of my invention may be made without departing from its spirit or scope, and for this reason I do not wish to be confined to the exact construction or arrangement of the parts as herein shown and described, but

What I claim and desire to secure by Letters Patent is:

1. In an egg tester, the combination with a lantern, of a telescopic mantle or shield having an opening therein, substantially as set forth and for the purposes specified.

2. In an egg tester, the combination with a lantern, of a cylindrical mantle formed in two sections, one of which is provided with an opening through which an egg may be tested, said sections being adapted to telescope relatively to each other.

3. In an egg tester, the combination with a lantern, of a telescopic cylindrical mantle formed in two sections, one of which is provided with an opening through which an egg may be tested and spring catches on the other section adapted to detachably hold said mantle in proper position upon a lantern.

4. In an egg tester, the combination with a lantern, of a telescopic cylindrical mantle formed in sections, one section of which is provided with an opening through which an egg may be tested, said section having a slot and a spring catch having a projection adapted to extend therethrough and engage the top of the other section to hold the lower section in elevated position, substantially as set forth and for the purposes specified.

FREDERICK ANTENEN.

Witnesses:

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