J. H. ROBNETT.

PROJECTING LAMP.

APPLICATION FILED DEC. 30, 1912.

1,078,167. Patented Nov. 11, 1913.

FIG. 1.

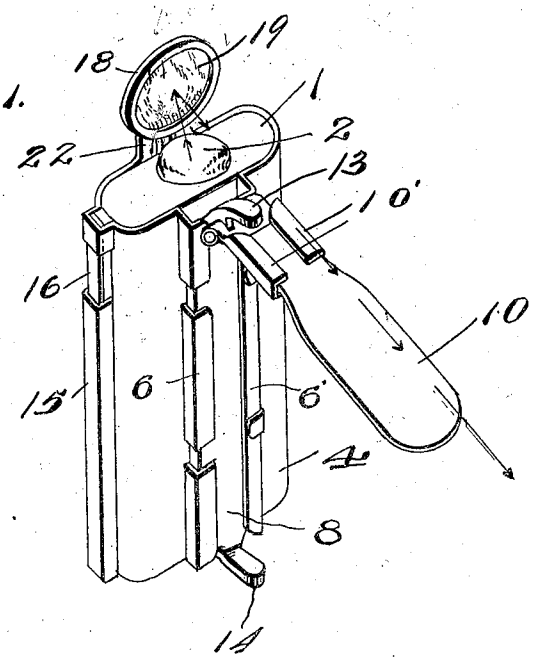


FIG. 2.

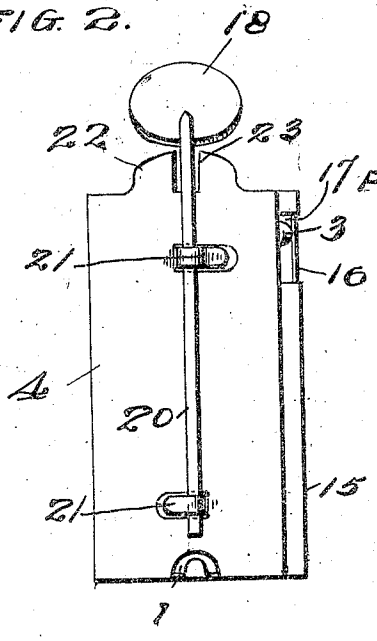
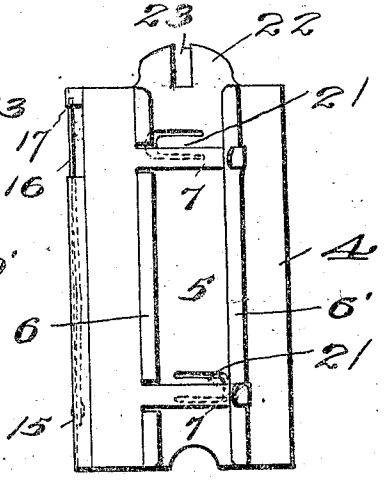


FIG. 4.



FIG. 3.



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UNITED STATES PATENT OFFICE.

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PROJECTING-LAMP.

1,078,167 Specification of Letters Patent. Patented Nov. 11, 1913.

Application filed December 30, 1912. Serial No. 739,270.

To all whom it may concern:

Be it known that I, JAMES H. ROBNETT, a citizen of the United States, residing at Albany, in the county of Linn and State of Oregon, have invented certain new and useful Improvements in Projecting-Lamps, of which the following is a specification.

The present invention relates to improvements in projecting lamps, and embodies certain novel features and combinations and arrangements of parts including a portable, self-contained electric lamp and an adjustable projector or reflector for the light arranged in proximity to a holder for a depressor. The depressor is adapted for use in examining the throat, and the lamp and its auxiliaries are therefore especially designed to throw or project the rays of light from the lamp toward the back of the throat while being examined by a physician or surgeon in medical or surgical practice. It should be understood that the depressor is to be applied to the tongue for the purpose of holding it down to give free access to the throat.

In the accompanying drawings I have illustrated one complete example of the physical embodiment of my invention constructed according to the best mode I have so far devised for the practical application of the principles of the invention, and the embodiment illustrated has proven highly successful in actual practice.

Figure 1 is a perspective view of the projecting lamp and accessories complete. Fig. 2 is a rear view of Fig. 1. Fig. 3 is a front view of the jacket or casing with the lamp and spatula holder removed. Fig. 4 is a side elevation, partly in section of the spatula holder.

I have illustrated the invention as utilizing a well known form of portable, self contained electric lamp 1 equipped with the usual dry battery, the light bulb 2, and push button 3 for making contact and igniting the lamp.

In adapting this, or any other suitable style of lamp for use with my improved devices, I employ a jacket or casing 4, which in this instance is elliptical in cross section and open at both ends. This casing is made of suitable material such as nickeled brass, having at one side an open slot extending its entire length, as indicated at 5 and the slot is bounded at its sides by angular flanges 6, 6′. A pair of integral straps 7, 7 extend across the slot, flush with the body of the casing, and their ends are passed through slots and turned up about the flange 6′. These straps prevent the casing from spreading, and also, in connection with the flanges 6 and 6′ provide a receptacle for the slidable blade 8 of the spatula holder 9.

The general construction of the spatula 10 and its holder 9 are illustrated in Fig. 1, but Fig. 4 more clearly illustrates the construction of the holder *per se*. The holder 9 is provided with a pair of flanges 10′ between which the spatula 10 is to be inserted and held, and the holder is hinged to the blade 8 between two ears 12 turned up from the blade. At the upper and lower ends of the blade a handle 13 and 14 is respectively formed, and the handle 13 in addition to its usual function furnishes a stop to prevent excessive upward swing of the spatula holder.

On one side of the casing, its metal is stamped out to form a trough 15 in which the spring 16 is secured. The trough provides for and accommodates the button 3 when the lamp 1 is pushed into the casing, and near the upper end of the trough an opening 17 is made so that access may be had to the spring or resilient blade 16. By pressure on the blade (from the thumb or finger) at this point, it will be readily understood that the lamp is lighted.

Diametrically opposite and across the casing from the spatula 10 is located a reflector or light projector 18 which includes the usual mirror 19 to which is attached a stem 20. This reflector is of standard make and may be procured in open market, but I adapt it for special use with my lamp casing, by providing a pair of spring tongues 21, integral with and struck up from the body of the casing 4. These tongues are bent to conform to the stem 20, and have sufficient resiliency or elasticity to securely clamp the stem in adjusted position, but at the same time allow the stem to be moved vertically to adjust the reflector.

An extension 22 is formed at the upper end of the casing, and the slot 23 therein provides a seat for the bent upper end of the stem when the reflector is pushed down to its extreme position, the reflector being in position at the front of the extension and the stem projecting out to the rear through the slot.

The utility of the device will be apparent.

In operation the casing is grasped in the hand with the thumb or finger on the spring 16. The spatula having been adjusted, it is inserted into the mouth to depress the tongue, the contact button is pushed by pressure on the spring 16 and the light is flashed from the reflector in the direction of the arrows to the rear of the mouth or throat. It will be understood of course that the device is capable of use for other purposes, and the above is cited simply as an exemplification of its use.

What I claim is:—

1. A lamp casing comprising an integral metal piece bent to shape having an open side with angular flanges and straps extended across the opening to receive and retain a spatula holder, and integral spring tongues opposite the open side of the casing adapted to retain a reflecting mirror stem.

2. The combination with a lamp of a casing having an open slot and angular flanges bounding said slot, straps extended across said slot and flush with the body of the casing, and a spatula holder including a blade incased between said flanges and straps.

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

JAMES H. ROBNETT.

Witnesses:
W. B. CHANCE,
H. F. MERRILL.