

K. E. ALLPORT.
ILLUMINATING ATTACHMENT FOR RAZORS.
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1,223,305.

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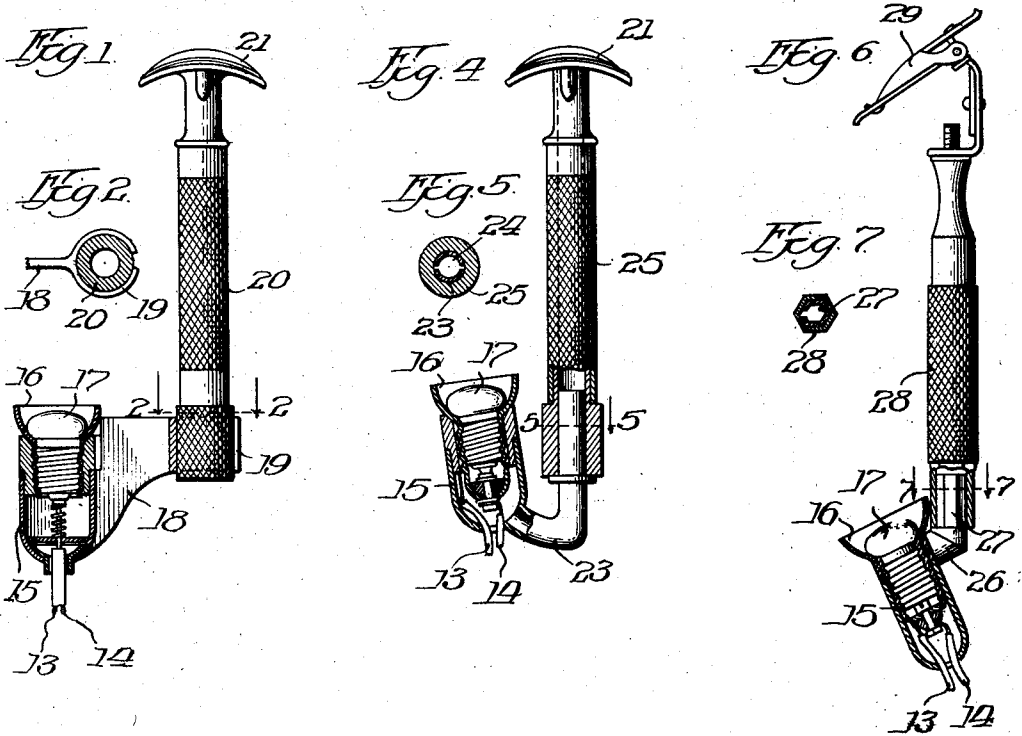


Fig. 3.

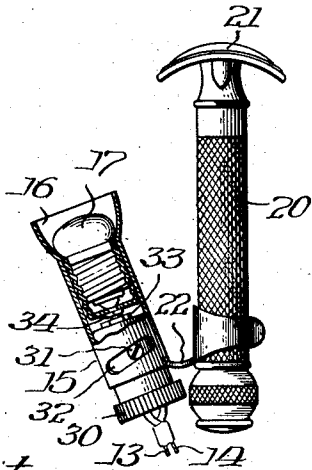
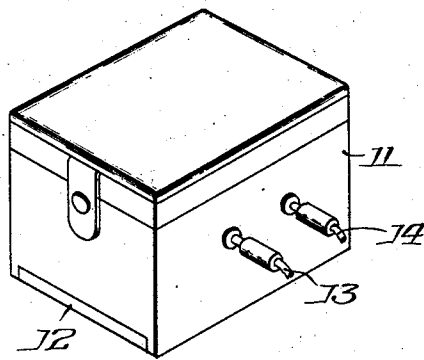


Fig. 8.



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KATHERINE E. ALLPORT, OF CHICAGO, ILLINOIS.

ILLUMINATING ATTACHMENT FOR RAZORS.

1,223,305.

Specification of Letters Patent. Patented Apr. 17, 1917.

Continuation in part of application filed June 7, 1913, Serial No. 772,258. Patent No. 1,180,686, dated April 25, 1916. This application filed March 16, 1916. Serial No. 84,533.

To all whom it may concern:

Be it known that I, KATHERINE E. ALLPORT, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Illuminating Attachments for Razors, of which the following is a specification.

The invention which is a continuation in part of my copending application Serial No. 772,258, which has matured into Patent No. 1,180,686, dated April 25, 1916, has for its principal object the provision, in connection with a razor, of means whereby that part of the face being shaved is illuminated locally and the operation of shaving thereby greatly facilitated and entirely relieved of its sanguinary possibilities. Much of the inconvenience and discomfort of shaving is due to the fact that the light when properly positioned as to certain portions of the face does not sufficiently illuminate other portions and it is to overcome this difficulty in a manner most efficient and convenient that the present invention is designed.

In order that the invention in its general aspect may be generally understood and its application made clear, I set forth in the accompanying drawings and in the following detailed description based thereon preferred and modified embodiments of the same. As, however, the invention is susceptible of embodiment in other and varied constructional forms, the drawings and description are to be construed in an illustrative and not in an unnecessarily limiting sense.

In the drawings:

Figure 1 is a side elevation, partly in section, of a form of the invention adapted for association with the usual double edge razor;

Fig. 2 is a section on the line 2—2 of Fig. 1;

Figs. 3 and 4 are views similar to Fig. 1 showing a slightly modified construction;

Fig. 5 is a cross section on the line 5—5 of Fig. 4;

Fig. 6 is a view similar to Fig. 4 showing the device as applied to the usual form of single edge razor;

Fig. 7 is a section on the line 7—7 of Fig. 6;

Fig. 8 is a view in perspective of a battery case adapted for use in connection with those forms of the invention shown in Figs. 1 to 7, inclusive.

In Figs. 1 to 7, inclusive, are illustrated constructional forms of the invention which are adapted for ready attachment to different types of safety razors in their complete form without the removal or alteration of the usual handle. By this form of construction it is also rendered possible to use a more powerful battery than would be the case with a battery capable of being housed within the comparatively limited space of a case suitable for a razor handle.

Having this object in view, I provide a case in the form of a box shown in Fig. 8 and indicated generally at 11. The upper portion of such a box may be advantageously used for the storage of the razors and lamp attachments, while the lower portion may contain a battery inserted from below and confined therein by means of a slidable bottom 12. As the interior construction of the box forms no part of the present invention it is not deemed necessary to illustrate the same in detail. From the box conductor wires 13 and 14 lead to the lamp attachment which in this instance may advantageously comprise a lamp holder 15 having a flaring reflector 16 within which is protectively disposed the lamp 17 while an arm 18 extending laterally from the lamp holder terminates in a clip 19 which is adapted to encircle and frictionally engage the lower end of the razor handle 20 of a razor 21 of the Gillette type, as illustrated in Figs. 1 and 2.

In Fig. 3 the arm 22 is shown as struck from the same metal as that forming the lamp holder or case 15, the construction being otherwise substantially identical with that shown in Figs. 1 and 2.

In Figs. 4 and 5 the arm projecting laterally from the lamp holder is shown in the form of a split stem 23, the upper end of which is adapted to enter the opening 24 of the tubular handle 25 and to be frictionally held therein.

In Figs. 6 and 7 the laterally-extending arm is in the form of a stem 26 the upper terminal portion 27 of which is polygonal in cross section and adapted to enter and frictionally engage the correspondingly shaped interior of a hollow handle 28 of a razor of the Gem type indicated at 29.

In the form of construction shown the battery case or box 11 will advantageously rest upon a convenient shelf and the lamp, having been attached to the handle of the

razor, the terminal wires 13 and 14 will be plugged into the box to make the electrical connection, and then the circuit will be completed through the lamp by means of any suitable form of switch, as for instance, referring to Fig. 3, by turning the knob 30 to cause the conductor terminal stud 31 to travel up the slot 32 in contact with the metal lamp holder 15 which forms one terminal of the lamp, thus advancing the other conductor terminal 33 into contact with the other lamp terminal 34. The razor thus illuminated by the lamp 17 will be manipulated in the usual manner, the operator grasping the ordinary handle of the same.

I claim:

1. The combination with a razor handle carrying a blade having a cutting edge disposed at one side of the handle axis, a battery, a lamp holder including an arm provided with means for removably attaching the holder to the razor handle at one side thereof in position to illuminate the cutting edge, a lamp within the holder, and conductor wires connecting the terminals of the lamp with those of the battery.

2. The combination with a razor handle carrying a blade having a cutting edge disposed at one side of the handle axis, a battery, a lamp holder including a laterally-extending arm for removably attaching the holder to the razor handle at one side thereof in position to illuminate the cutting edge, a lamp within the holder, and conductor wires connecting the terminals of the lamp with those of the battery.

3. The combination with a razor handle carrying a blade having a cutting edge disposed at one side of the handle axis, a battery, a lamp holder including a laterally-extending arm provided with a clip for re-

movably and adjustably attaching the holder about the razor handle at one side thereof in position to illuminate the cutting edge, a lamp within the holder, and conductor wires connecting the terminals of the lamp with those of the battery.

4. The combination of a razor frame having a blade holder and a handle approximately perpendicular to the blade holder, an electric lamp socket extending parallel to said handle, means for securing the lamp socket to the handle at the side of the handle which lies beneath the blade edge when in use, an electric lamp in the front end of the socket adapted to throw its light rays below the blade holder, and a flexible electrical conductor extending from the rear of the lamp socket, said lamp socket and handle forming a hand hold; substantially as described.

5. The combination of a razor frame having a blade holder and a handle approximately perpendicular to the blade holder, an electric lamp socket extending parallel to the handle, a clip for adjustably securing the lamp socket to the handle at the side of the handle which lies beneath the blade edge when in use, and arranged to permit the socket to be adjusted longitudinally along the handle toward and from the blade holder, an electric lamp in the front end of the socket and adapted to throw its light rays below the blade holder, and a flexible electrical conductor extending from the rear of the lamp socket, said lamp socket and handle forming a hand hold; substantially as described.

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