

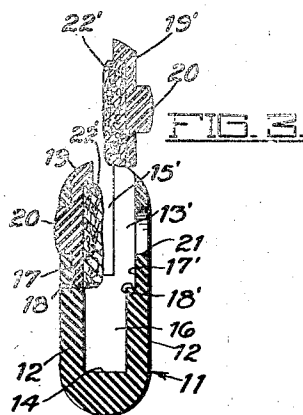
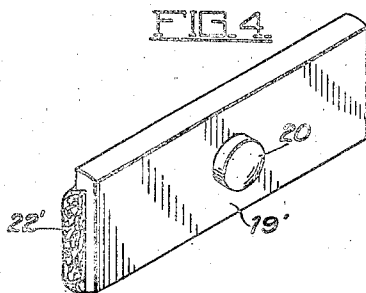
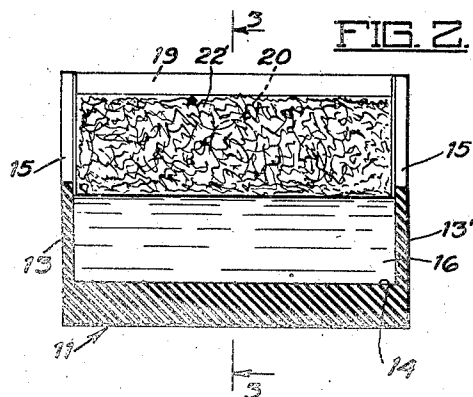
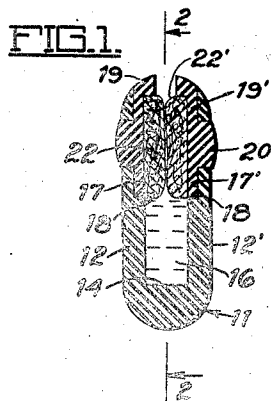
Oct. 30, 1934.

S. A. MOREHOUSE
RAZOR BLADE LUBRICATOR

1,978,716

Filed April 1, 1932

2 Sheets-Sheet 1



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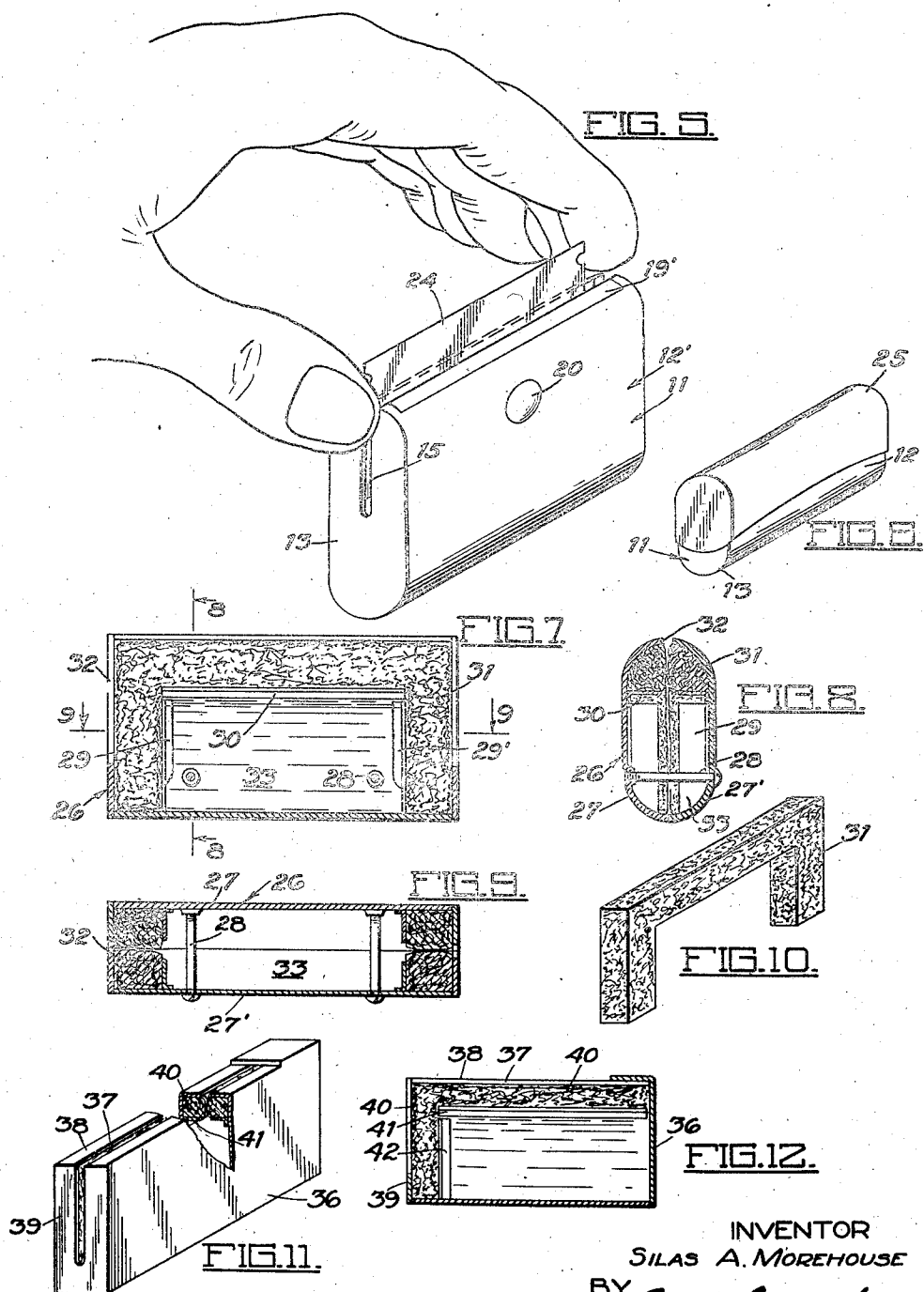
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UNITED STATES PATENT OFFICE

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RAZOR BLADE LUBRICATOR

Silas A. Morehouse, Albuquerque, N. Mex.

Application April 1, 1932, Serial No. 602,553

4 Claims. (Cl. 91—62.5)

This invention has to do with a device for wiping and lubricating razor blades and is more particularly related to a device for individual or personal use whereby razor blades of the type used in safety razors may be wiped and oiled to protect them against rust and corrosion without in any way injuring the cutting edge of the blade.

It is one object of this invention to produce a device of the class described which is of simple form and construction, compact and neat in appearance, and may be economically manufactured.

It is a further object of this invention to provide a device of the class described with a lubricating medium such as vaseline which is contained in a reservoir in a sufficient quantity to last over a long period of time without necessitating refilling.

The general construction of the lubricator contemplated by this invention comprises a case which has a reservoir adapted to be filled with lubricating fluid and which is provided with a slot or slots along its top and one or both ends thereof, to permit the passage of the blade. The case contains a pair of oppositely disposed absorbent pads arranged adjacent the mentioned slots so as to engage opposite sides of the blade as it is drawn through the slots between the pads.

It is a noteworthy feature of a preferred form of my invention that the absorbent pads mentioned above are arranged so that they may be removed and replaced from time to time.

It is a further feature of this device that the pads are arranged and constructed so that they may be pressed inwardly into firm pressure engagement with the blade as it is being drawn therebetween.

The details in the construction of certain preferred forms of my invention, together with other objects attending their production, will be best understood from the following description of the accompanying drawings, which are chosen for illustrative purposes only, and in which—

Fig. 1 is a sectional elevation taken through a preferred form of my invention;

Fig. 2 is a sectional view taken in the plane represented by the line 2—2 in Fig. 1;

Fig. 3 is a sectional view taken in a plane represented by the line 3—3 in Fig. 2 and illustrates the manner in which the absorbent pads and their associated supporting plates are installed in the case;

Fig. 4 is a perspective view illustrating a preferred construction of absorbent pad and support thereof;

Fig. 5 is a perspective view illustrating the manner in which the device contemplated by this invention is used to wipe and oil a razor blade;

Fig. 6 is a perspective view illustrating the device in combination with a cover;

Fig. 7 is a sectional view showing a modified form of my invention;

Fig. 8 is a sectional view taken in the plane represented by the line 8—8 in Fig. 7;

Fig. 9 is a plan section taken in the plane represented by the line 9—9 in Fig. 7;

Fig. 10 is a perspective view illustrating the type of absorbent pad which is used in connection with the form of my invention shown in Figs. 7 to 9 inclusive;

Fig. 11 is a perspective view with parts broken away illustrating another form of my invention;

Fig. 12 is a sectional view illustrating the details in the construction of the form shown in Fig. 11.

More particularly describing the invention as herein illustrated, reference numeral 11 indicates a case which may be stamped or cast from metal or a suitable composition such as bakelite and which comprises side members 12 and 12' and end members 13 and 13'.

The case is closed at its bottom as indicated at 14 and has an open top. The end members 13 and 13' are slotted as indicated at 15 and 15', such slots extending downwardly a substantial distance from the open top, but terminating a sufficient distance above the bottom to leave a reservoir 16 which is adapted to receive or contain a lubricant such as "petroleum jelly" or "vaseline".

The upper end portions of the two sides 12 and 12' are provided with recesses 17 and 17' on their inner surfaces so as to form shoulders 18 and 18' within the case. These shoulders are adapted to engage and support the lower edges of the pad supporting plates 19 and 19', such plates being provided with projections or buttons 20 which extend through apertures 21 formed in the recessed portions of the sides of the case.

The plates 19 and 19' have provided on their inner surfaces, absorbent pads 22 and 22', such pads being composed of a material such as felt which is capable of absorbing the lubricant from the reservoir. The pads are made of a thickness such that they are in substantial engagement

when they are installed in the case, but being composed of a compressible material they can be inserted in the manner indicated in Fig. 3.

When the device has been assembled as indicated in Fig. 1 or Fig. 5, the projecting ends or the buttons 20, can be engaged by the fingers of the user and pressed inwardly so as to force the pads into pressure engagement with a blade 24 as it is drawn through the case. In the operation of the device, the blade can be drawn clear through the case, passing through both the notches 15 and 15', or it may be drawn into the case to the position shown in Fig. 5 and then pulled vertically outward. In any event the construction of the pads is such that the cutting edge of the blade does not pass into cutting relation with the felt or absorbent pads.

In order to prevent the evaporation or drying of the lubricant when the device is not in use, I prefer to provide the case 11 with a cover member of the type shown in Fig. 6, such cover being indicated by reference numeral 25. In the form of my invention shown in Figs. 7 to 10 inclusive, the case 26 is formed of two sections 27 and 27' which are clamped together by means of bolts indicated by reference numeral 28.

The interior of each section is provided with a plurality of partition members 29, 29' and 30, or an equivalent supporting structure which is designed to retain a U-shaped absorbent pad 31 in a position such that it is situated adjacent a slot 32 which is formed in the top and along the upper portions of the two ends of the case.

By constructing and supporting the absorbent pads in this manner, I provide a centrally disposed reservoir 33 which contains a lubricant of the class mentioned above. This construction permits the blade to pass, during a part of its course, with its cutting edge in the lubricant reservoir and avoids any possible injury of the cutting edge of the blade by actual contact with the absorbent pads.

In the form shown in Figs. 11 and 12, I provide a case 36 with a slot 37 which extends along the top 38 and one side 39 of the case. In this type of lubricator I use a pair of oppositely disposed L-shaped absorbent pads indicated by reference numeral 40, such pads being supported by small bracket plates or partition members indicated at 41 and 42.

In the operation of this later device, the blade is drawn into the case through the slot so that substantially all of the blade is in the lubricant

and is then withdrawn vertically outside the top section of the L-shaped absorbent pads, wiping the blade clean of excess lubricant as it is withdrawn.

It is apparent from the foregoing description that I have produced a lubricating device which is novel in character; is of simple form and construction, and which can be used to wipe and lubricate a razor blade without in any way injuring the cutting edge of the blade, and it is to be understood that while I have herein described and illustrated certain preferred forms of my invention, that the invention is not limited to the precise construction described above, but includes within its scope whatever changes fairly come within the spirit of the appended claims.

I claim as my invention:

1. A lubricator for razor blades and the like embodying: a case having a slot formed along the top and extending downwardly into the ends thereof; a reservoir in the bottom of said case adapted to contain a lubricant; rigid pad supports movably mounted in the top of said case adjacent said slots; and absorbent pads mounted on said pad supports.

2. A lubricator for razor blades and the like embodying: a case open at its top and having slots extending downwardly in its ends; oppositely disposed supporting plates removably mounted in the top of said case; pads on the inner faces of said plates; and means for holding said plates in said case.

3. A lubricator for razor blades and the like embodying: a case open at its top and having slots extending downwardly in its ends; oppositely disposed supporting plates in the top of said case; pads on the inner faces of said plates; and means comprising projections formed on said plates and extending through apertures formed in said case for holding said plates in said case.

4. A lubricator for razor blades and the like embodying: a case open at its top and having its side walls recessed at their upper ends to form shoulders therein, said side walls being provided with apertures in said recessed portions; oppositely disposed plates mounted in said recesses; projections on the backs of said plates extending through said apertures; and absorbent pads mounted on the inner faces of said plates.

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