

June 15, 1948.

A. C. D. DE TUESTA

2,443,495

SAFEGUARD DEVICE FOR RAZOR BLADES

Filed Dec. 15, 1945.

2 Sheets-Sheet 1

Fig. 1

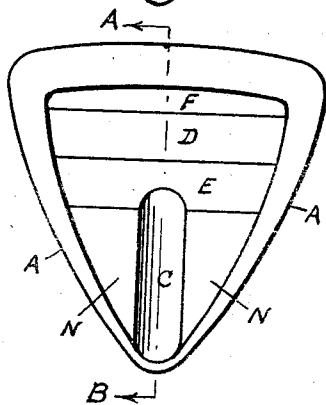


Fig. 2

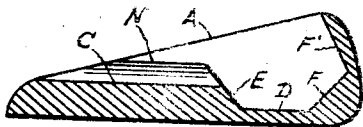


Fig. 3

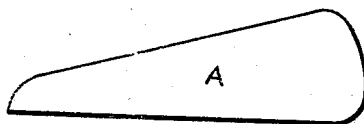
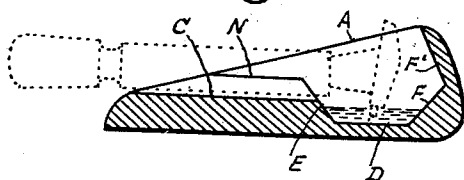


Fig. 4



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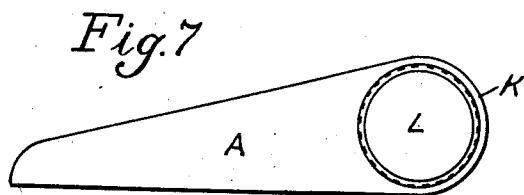
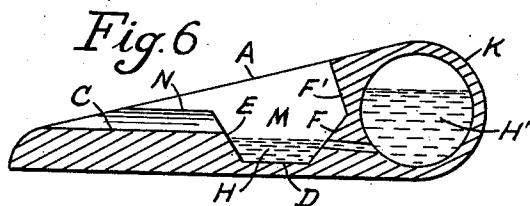
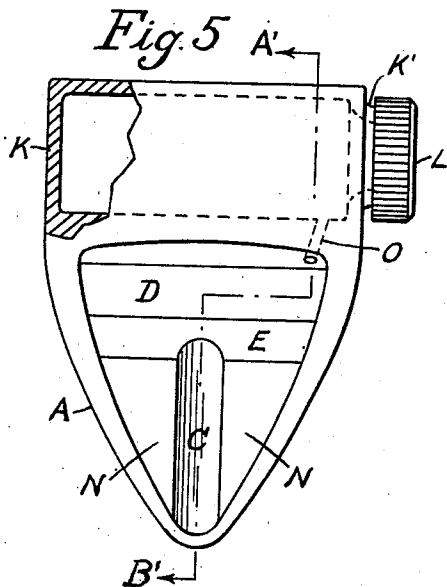
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SAFEGUARD DEVICE FOR RAZOR BLADES

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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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SAFEGUARD DEVICE FOR RAZOR BLADES

Alvaro Caro Diaz de Tuesta, Habana, Cuba

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In Cuba October 20, 1945

3 Claims. (Cl. 21-90)

1

This invention relates to devices apt to guard razor blades against corrosion and damage, and it has for its object to provide an improved safeguard device for razor blades that will preserve and prolong the life of the blade, which consists of a tray wherein the blade-carrying razor while not in use is allowed to rest so that the cutting edge of the blade will remain completely sunk in a provision of oil contained in an end cavity of said tray, whereby the blade will be protected against corrosion or oxidation of the metal of which it is formed due either to the action of the water after use of the blade or to contact with a damp atmosphere.

Another object of the invention consists in attaching to the safeguard device proper an oil container adapted to automatically supply oil to the tray cavity, when necessary, through a conduit communicating the interior of the container with the cavity of the tray, whereby the handling of the safeguard device is greatly simplified with little additional cost.

The invention is described with reference to the figures of the accompanying drawing, of which:

Fig. 1 is a top plan view of the razor blade safeguard device of this invention.

Fig. 2 is a longitudinal vertical section view of the safeguard device on line A—B of Fig. 1.

Fig. 3 is an outer side elevation of the safeguard device.

Fig. 4 is a sectional view similar to that of Fig. 2, showing a razor bearing on the safeguard device with one end of the blade sunk in the oil contained therein.

Fig. 5 is a horizontal plan view of a modified form of safeguard device having attached thereto an oil container.

Fig. 6 is a longitudinal vertical section view of the modified form of safeguard device on line A'—B' of Fig. 5.

Fig. 7 is a side elevation view of the modified form of the safeguard device.

This safeguard device is composed of a tray made of a suitable material such as plastic material, baked clay, glass, metal, wood, etc., which has side curved walls A converging toward a fore point and having their height decreasing onward and a rear wall formed by two angular portions F, F' converging toward the horizontal middle line of the rear wall, the rear wall and the side walls forming an outside in the shape of a shield. At the rear portion of the tray and on a plane bottom portion D there is formed a cavity M which is limited at the rear by the inclined portion F' of the rear wall and at the front by the

2

inclined surface E limiting a solid portion N raising from the bottom and forming at its top a bed having at the longitudinal middle line thereof a groove C opening at the front in the fore point of the tray and opening at its rear in the inclined surface E which is divergent relatively to the lower portion F' of the rear wall.

The cavity E is adapted to contain a provision of oil whose function is to prevent the blade cutting edge from corrosion.

In the use of the safeguard device, the razor is shakened once used and cleaned so as to remove any water adhered thereto, and it is then placed in horizontal position on the tray as shown in Fig. 4, so that the blade holder will remain in vertical position within the cavity M with the blade cutting edge sunk in the oil occupying cavity, M, and the razor holder handle laid on the groove C. In this manner, the blade cutting edge will be protected against corrosion by air humidity while the razor is not in use.

In the case where a double-edge blade is used, the razor will first be placed in a position with one of the blade cutting edges sunk in the oil contained in cavity M, and after a short period of time the razor is turned so as to sink the other cutting edge of the blade in the oil bath.

The safeguard device shape may be varied so that it can receive the razor in a vertical position with the blade disposed horizontally within the oil bath.

In Figs. 5, 6 and 7 is illustrated a modified form of the safeguard device which has formed integrally with the rear wall F—F' of the tray a horizontal cylindrical container K closed at one end and open at the other end wherein it has a neck K' projecting laterally beyond the tray where it is provided with an opening adapted to be closed by an adjustable or threaded cap L, and said container K serves as a reservoir for a substantial provision of oil H' which is supplied to the cavity M to form the oil bath H in which the cutting edge of the blade carried by the razor is to be sunk, by means of a conduit O slightly inclined relatively to the horizontal and sloping from the cavity M to the container K. The flow of oil H' from container K into cavity M is effected automatically when the level of the oil in said cavity is below the highest point of the opening of communication tube O, by virtue of the admission of outer air into the container K through conduit O, the container K being closed by the cap L.

Instead of the oil container K being made integrally with the safeguard device, the same may

3

be made separate and attached to the safeguard device by any suitable securing means, thus the interior of the container K being communicated with the cavity M through a small tube inserted in aligned holes formed in the container and in the rear portion of the tray, without thereby altering the essential character of the invention.

It is obvious that changes may be made in the shape of the safeguard device and in the nature of the material of which it is formed, as well as the safeguard device can even be provided with a cap or cover, without thereby altering the essential character of the invention which is such as claimed hereinafter.

What I claim is:

1. A safeguard device for razor blades, consisting of a tray having side walls converging toward a fore point and having at its fore portion a raised bottom portion forming a bed having a central longitudinal channel and at its rear portion a cavity adapted to receive the blade-holder of a razor with the blade cutting edge sunk in an oil bath and the razor holder handle resting on the longitudinal channel of the raised bed.

2. A safeguard device for razor blades, consisting of a tray adapted to contain an oil bath, an oil container horizontally arranged at the

4

rear wall of the tray with its inlet opening disposed laterally of the safeguard device, a cap for said opening, and a conduit communicating the interior of the container with the tray cavity.

3. A safeguard device for razor blades, consisting of a tray adapted to contain an oil bath, a horizontal oil-container formed integrally with the rear wall of the tray and closed at one end and provided at the other end with an open neck projecting laterally beyond the safeguard device, a removable cap for the mouth of the container neck, and a slightly inclined conduit communicating the interior of the container with the interior of the tray to permit the feeding of oil from the container into the tray cavity.

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