

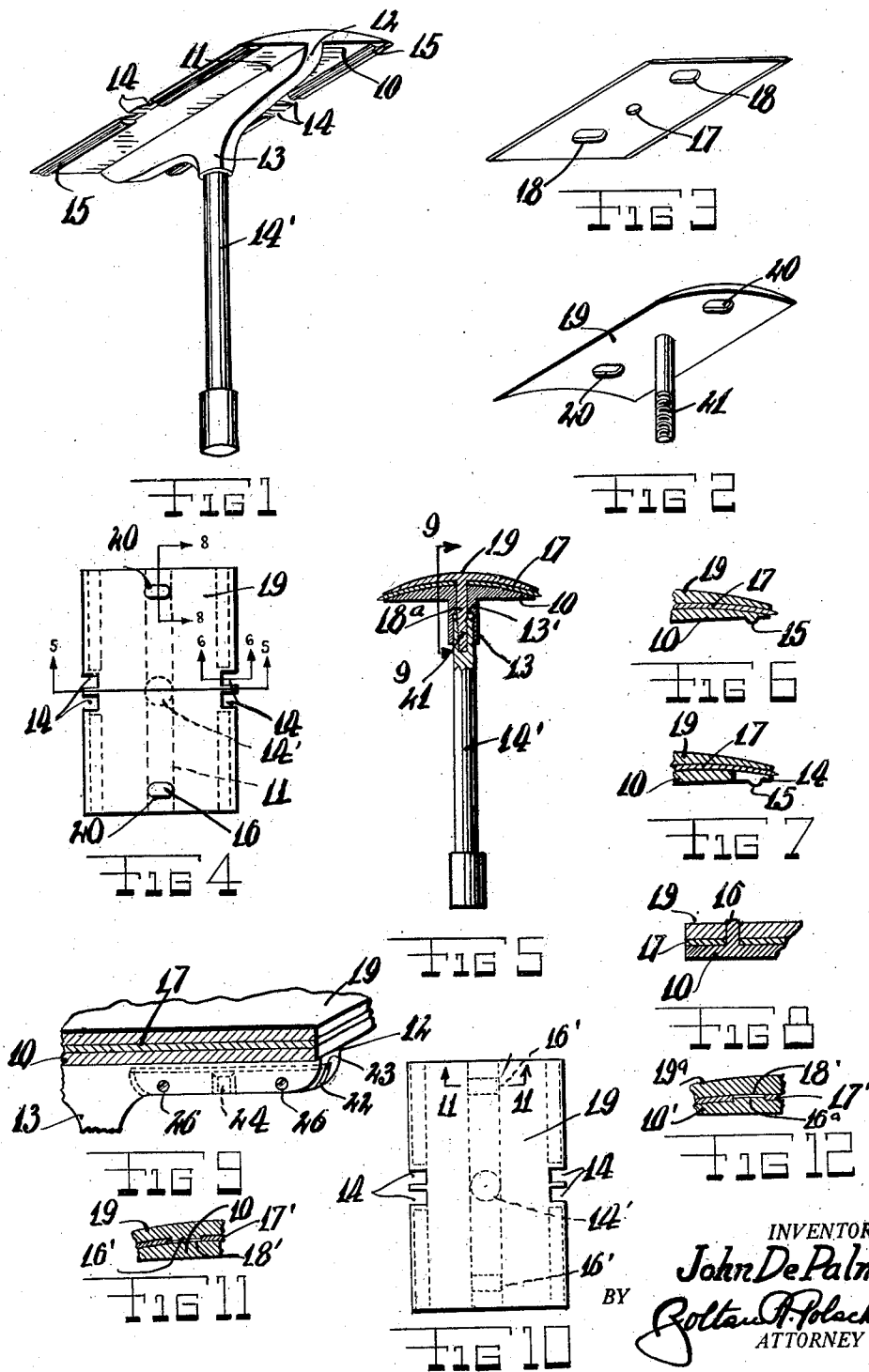
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SAFETY RAZOR

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## UNITED STATES PATENT OFFICE

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## SAFETY RAZOR

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This invention relates generally to razors and has more particular reference to a novel safety razor.

The invention has for an object the provision of a device of the class mentioned, which is of simple durable construction, desirable in use and efficient in action and which can be manufactured and sold at a reasonable cost.

The invention proposes the use of a longitudinal soap partition arranged on the bottom side of a blade support, and a handle connected with the soap partition. The blade support is provided with guard slots and with soap retaining beads along its edges. A main feature produced by this construction is that when one side of the razor is used soap may not cross to the other side making the other side soapy. The unused side may next be used and the operator of the article may not be bothered with a soapy blade.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing, forming a material part of this disclosure:—

Fig. 1 is a perspective view of a blade support constructed according to this invention.

Fig. 2 is a perspective view of a blade cover for use in the device.

Fig. 3 is a perspective view of a blade for use in the device.

Fig. 4 is a plan view of the article.

Fig. 5 is a vertical sectional view, taken on the line 5—5 of Fig. 4.

Fig. 6 is a fragmentary sectional view, taken on the line 6—6 of Fig. 4.

Fig. 7 is a fragmentary detail sectional view.

Fig. 8 is a fragmentary sectional view, taken on the line 8—8 of 4.

Fig. 9 is a fragmentary perspective sectional view, taken on the line 9—9 of Fig. 5.

Fig. 10 is a similar view to Fig. 4 showing a modified peg used in my device.

Fig. 11 is a fragmentary sectional eleva-

tional view, taken on the line 11—11 of Fig. 10.

Fig. 12 is a similar view to Fig. 11 showing another modification.

The reference numeral 10 indicates generally a blade support provided with a longitudinal soap partition 11 arranged on its bottom side and extending its full length. This soap partition is formed with rounded ends 12 and with an enlarged center 13 with an aperture 13' for receiving a handle 14'. The handle 14' preferably engages in the aperture 13' so as to be freely rotatable.

Guard slots 14 are formed on opposite sides of the blade support at the center portion thereof, and soap retaining beads 15 extend from the slots 14 to the ends of the blade support. Blade support pegs 16 project from the blade support 10 on the top side thereof.

A blade 17 is formed with elongated openings 18 for receiving the blade support peg 16 for aligning the blade upon the blade support. This blade is also formed with a central aperture 17 for allowing the passage of a stem handle 18<sup>a</sup> projecting from a blade cover 19. This blade cover is also formed with elongated openings 20 aligned with the openings 18 of the blade for receiving the pegs 16.

The lower end of the stem handle 18<sup>a</sup> is formed with threads 21, and the handle 14' is adapted for threadedly engaging these threads for tightly clamping the blade cover over the blade 17 when the blade rests upon the blade support 10.

In the modified form of the device illustrated in Fig. 9 partition extensions 22 are shown engaged within grooves 23 formed in the partition 11. The partition extensions are provided with dovetailed tongues 24 engaging dovetailed grooves 25 formed in the partition 11 so as to slidably mount the partition extension on the partition. Set screws 26 threadedly engage the partition 11 and are arranged for abutting against the partition extensions for holding them in adjusting positions.

In operation of the device the blade 17 is clamped between the blade cover 19 and the

blade support 10. Then the razor is used in the customary manner, but so that the cutting is accomplished at the center portion thereof. The hairs on one's face pass thru the guard slots 14 and are cut by the blade. The soap  
5 carrying the cut hair collects between the longitudinal soap partition 11 and the soap retaining beads 15. When one side of the device is thoroughly loaded with soap, the razor  
10 may be turned around and the other side used. The partition 11 functions for preventing the passage of soap from one side of the device to the other. It is seen that with this arrangement while one side is used the  
15 other side is not wetted with soap.

The partition extensions may be extended if the user finds this desirable for preventing the passage of soap from one side to the other. Different users shave with soap of different  
20 densities and for this reason very often it is advisable to extend the partition extensions 22.

In Figs. 10 and 11 I have shown rectangular pegs 16' integral with blade cover 19'  
25 passing thru similarly shaped apertures 18' in blades 17'.

In Fig. 12 rectangular pegs 16<sup>a</sup> are integral with blade support 10'.

While I have shown and described the  
30 preferred embodiment of my invention, it is to be understood that I do not limit myself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the  
35 invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:—

1. In a safety razor comprising a double  
40 edged blade, a blade support having longitudinally disposed beads on its under side adjacent the respective edges of said blade, and a partition on the support midway between said beads, said partition and said beads  
45 adapted to retain soap therebetween as the latter is removed by one of said edges from the surface being shaved.

2. In a safety razor comprising a double  
50 edged blade, a blade support having longitudinally disposed beads on its under side adjacent the respective edges of said blade, and a partition on the support midway between said beads, said partition and said  
55 beads adapted to retain soap therebetween as the latter is removed by one of said edges from the surface being shaved, said blade support being formed with several transverse edge slots, and said beads extending  
60 from said slots to the ends of the blade support.

In testimony whereof I have affixed my signature.

JOHN DE PALMA.