Jan. 22, 1952 J. G. LEATHERMAN 2,583,057

SAFETY RAZOR

Filed Nov. 25, 1949

Fig. 1.

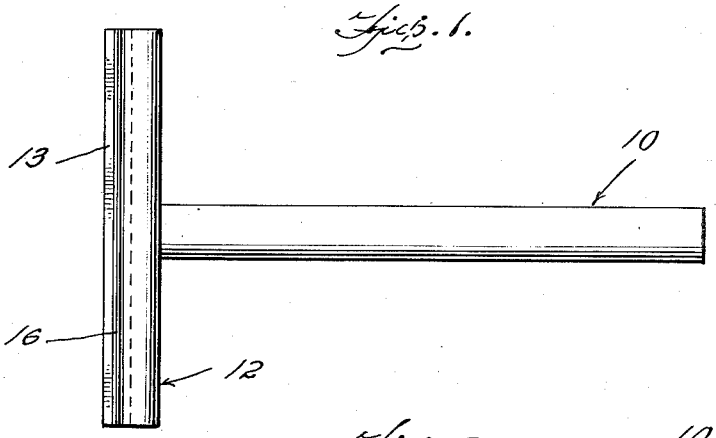


Fig. 2.

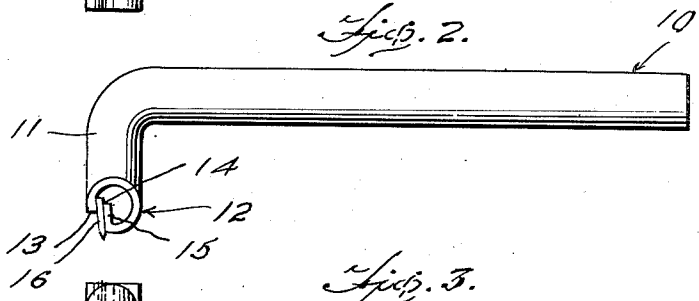


Fig. 3.

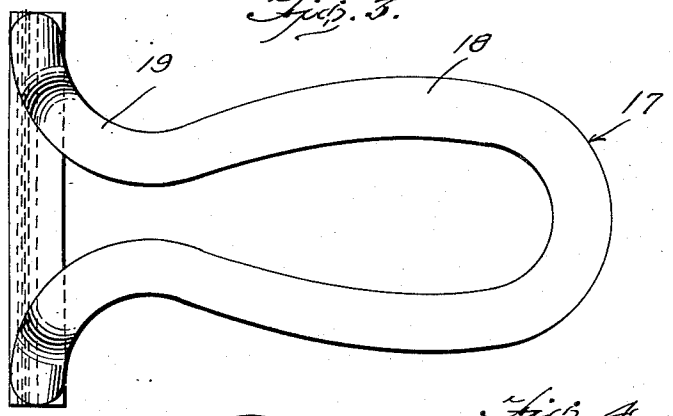
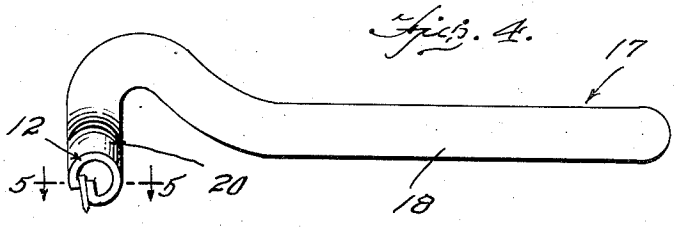


Fig. 4.



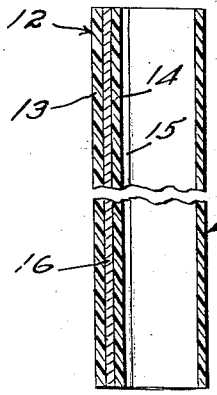


Fig. 5.

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SAFETY RAZOR

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Application November 25, 1949, Serial No. 129,443

2 Claims. (Cl. 30—32)

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This invention relates to the class of cutlery and is directed particularly to improvements in razors.

An object of the present invention is to provide a novel type of safety razor which is so designed that it may be so economically constructed that it may be thrown away or discarded after it has served its purpose.

A further object of the invention is to provide a novel safety razor which may be cheaply produced so that it can be sold as a complete unit in dispensing machines and at such low cost that after the razor blade has become dulled the entire razor may be thrown away.

Still another object of the invention is to provide a novel safety razor construction which is suitable for manufacture in plastic or some other cheap material and in which a novel head unit is provided for holding a thin blade strip firmly in position for use, the design of the head of the razor being such that the blade may be readily installed by suitable mechanical means to form a permanent part of the head structure.

The invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawing forming a part of the specification, with the understanding, however, that the invention is not to be limited to the exact details of construction shown and described since obvious modifications will occur to a person skilled in the art.

In the drawing:

Figure 1 is a view in plan of the underside of a safety razor constructed in accordance with one embodiment of the present invention.

Figure 2 is a view in side elevation of the same.

Figure 3 is a view in top plan of another embodiment of the invention showing a different type of handle.

Figure 4 is a view in side elevation of the embodiment illustrated in Figure 3.

Figure 5 is a sectional view taken substantially on the line 5—5 of Figure 4.

As previously set forth the present improved safety razor is so designed that it may be produced at very small cost so that after it has been used two or three times it may be discarded. As a result of the simple construction and the economical manner in which the razor may be produced, the razor may be put up for sale in dispensing machines in railway stations or other public places to be sold cheaply so that a traveler or other person desiring a quick shave may purchase a razor and use it once and then throw it away.

While the razor of the present invention may

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be formed of any suitable inexpensive material it is particularly designed to be made from any one of a number of suitable synthetic resins or plastics and in one form or embodiment as illustrated in Figures 1 and 2 it comprises a handle 10 which may be of tubular form and with a portion of one end bent to extend at an angle as indicated at 11. This angular portion is here shown as being perpendicular to the handle 10 but it may be set at any angle desired.

Secured intermediate its ends to the end of the angular portion 11 to extend transversely thereof, is the head which is generally designated 12 and which, as shown in Figure 2, is also of tubular form.

The tubular head 12 is split longitudinally providing the two edge portions 13 and 14, as shown, the split being made along the forward or front side of the tube. After forming the split in and longitudinally of the tube a portion of the tube along the edge 14 is bent back or bent inwardly away from the edge 13 to form the flat strip or tongue 15. This tongue is also made so that it will partly overlap the inner side of the edge portion 13 as shown.

Between the tongue and the edge 13 or forward lip which the edge 13 defines, is fixed a narrow blade 16. This blade is of slightly greater width than the tongue 15 and is of a length substantially equal to the length of the head as shown in Figure 1. The blade lies flat against the forward face of the tongue 15 and a portion of the back edge of the blade extends into the tubular head and is pressed against the inner side of the lip portion which is defined by the edge 13. Thus it will be seen that the blade is firmly held in the head at the proper angle for use.

The blade 16 may be formed of very light thin metal which will take an edge sufficient to give one or two good shaves. Being thus formed of a very light thin strip of metal and being mounted in a razor head formed in the novel manner illustrated it will be readily seen that the entire device can be very cheaply produced so that it may be sold and discharded after use at small cost.

In Figures 3, 4 and 5 the same head construction is illustrated as is shown in Figures 1 and 2, with a slightly different type of handle. Accordingly the same reference characters will be employed for designating the head and the various parts thereof in these figures, the additional description being directed particularly to the handle. As here shown, in Figures 3, 4 and 5, the

handle which is generally designated 17 is formed of a single piece of material, preferably tubular plastic, which is bent upon itself to form the long loop 18, each end of which is turned laterally to form the oppositely directed or curving portions 19 each of which terminates in a down turned end portion 20 which is secured to an end of the tubular head as shown in Figure 3.

As previously stated the construction or formation of the blade carrying head is the same in both embodiments of the invention, the difference between the embodiments residing in the handle only.

From the foregoing it will be readily apparent that there is provided in the present invention an unique form of razor blade holder which can be easily and economically produced from any inexpensive material so that the resulting article can be made and sold at such small cost as to make feasible the discarding or throwing away of the article after one or two uses.

I claim:

1. A discardable safety razor of the character set forth comprising a handle member, a head carried thereby, said head member being of elongate tubular form and longitudinally divided to provide a pair of edges, one of said edges being offset from the other and extending into the tube in overlapping relation with said other edge, and

a blade comprising a thin narrow strip of material sharpened along one edge and having a portion along its other edge frictionally gripped between said overlapping edges.

2. A discardable safety razor of the character set forth comprising a head in the form of a tubular body open at its two ends, said tubular body being split longitudinally to provide two longitudinal edges, a portion of the tubular body along one longitudinal edge being bent inwardly and having a slight overlapping relation with a portion of the tubular body at the other longitudinal edge, a blade comprising a thin narrow strip of material sharpened along one edge and having a portion along its other edge engaged by and secured between the said overlapping edges of the tubular head, and a handle connected with the tubular head.

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