July 3, 1951 J. LEFKOWITZ 2,558,859

RAZOR

Filed Feb. 4, 1948

Fig. 1

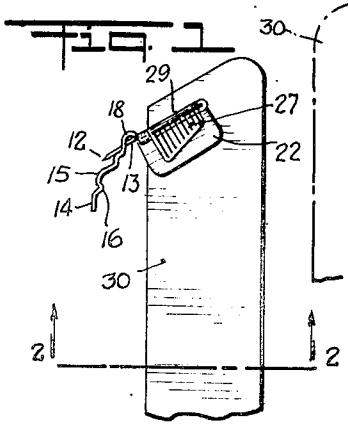


Fig. 4

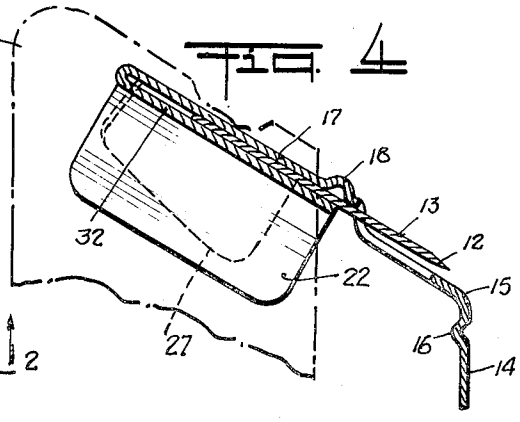


Fig. 2

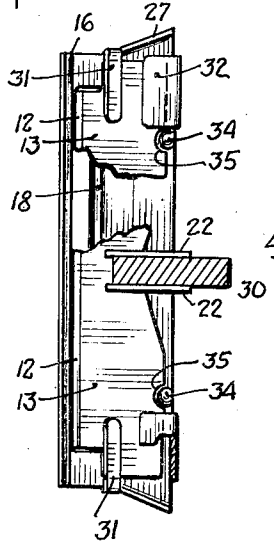


Fig. 3

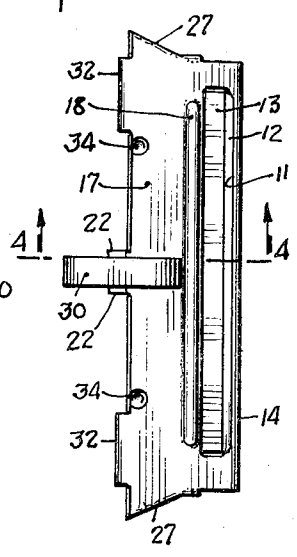


Fig. 5

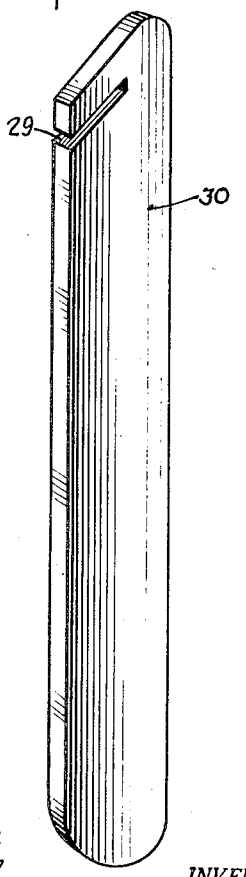
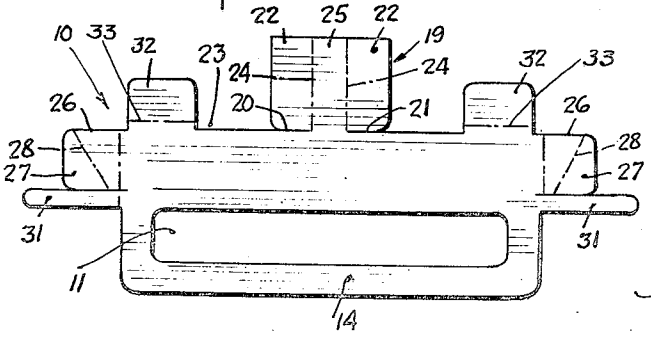


Fig. 6



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RAZOR

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4 Claims. (Cl. 30—51)

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This invention relates to razors.

Broadly, it is an object of the invention to provide an inexpensive razor which is so cheap that it would be discarded after a single shave.

More particularly, it is an object to provide a razor, the construction of which is such that it will give an efficient and good shave and which would be so low in price that it could be used as a premium item for advertising, or sold through automatically operated coin vending machines and discarded after a single use.

Another object of the invention is the provision of a safety razor head formed of a single piece of metal to hold the blade effectively in shaving position having a safety guard and strengthening ribs so that thin and inexpensive metal can be used for the razor.

Still another object of the invention is to provide an inexpensive handle which can be of different shapes to carry advertising matter which gives added strength and rigidity to the blade and razor when in position upon the razor.

Another object is to provide a razor in which the blade is maintained flat in shaving position beneath the cap to help support the razor blade.

Still another object is a novel means of locking the blade in position in the razor by bending parts of the metal of the razor eliminating more expensive operations.

For a fuller understanding of the nature and objects of the invention, reference is had to the following detailed description in connection with the accompanying drawings, in which:

Fig. 1 is a side view of the razor, blade and the upper part of the handle.

Fig. 2 is a section taken through line 2—2 of Fig. 1 showing the back of the razor with part of the blade broken away.

Fig. 3 is a top view.

Fig. 4 is an enlarged sectional view taken through line 4—4 of Fig. 3.

Fig. 5 is a perspective view of the handle.

Fig. 6 is a plan view of the blank from which the razor is made.

Referring to the drawings, numeral 10 represents a blank shown in Fig. 6, preferably of an inexpensive thin metal, having a cutout 11 for the cutting edge 12 of the blade 13 to project. The front edge 14 is arcuately bent at 15 providing a safety guard. To strengthen the guard a longitudinal rib 16 is depressed in the metal and to strengthen the blade holder 17 a longitudinal raised rib 18 is provided behind the cutout 11.

The rear central portion of the blade holder 17 has an extending portion 19 which is slit at 20

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and 21 to sever a pair of side members 22—22 from the rear edge 23 of the blade holder 17. The side members 22—22 are bent upward at fold lines 24—24 and the center portion 25 is then bent downward after the blade 13 has been properly positioned in the blade holder 17.

Each of the opposed sides of the blade holder 17 has an extending portion 26 the end 27 of which is bent downward at a 90° angle to the blade holder 17 along a diagonal line 28 forming a finger grip for setting the razor within the channel 29 of the handle 30. The ends 27 may be serrated as shown in Fig. 1 for better gripping of the fingers.

Each of the opposed sides of the blade holder 17 also has a narrow extending portion 31 which is bent beneath the blade holder 17 to hold the blade 13 in fixed position in the razor. Extending from the rear edge 23 are two opposed projecting portions 32 which are also bent beneath the blade holder 17 along line 33 to aid in holding the blade 13 in fixed position in the razor.

The blade 13 may be the longitudinal one-half of a standard double edged safety razor blade well known in the market; such blade usually has two opposed circular cutouts which can be used to advantage in helping to position the blade in the razor. Two circular opposed tits 34 may be depressed at the rear of the blade holder 17 to receive the half holes 35 of the blade. However, the tits 34 are not necessarily needed since the portions 31 and 32 are sufficient to hold the blade 13 rigidly in position in the razor. Of course, rectangular blades with a single cutting edge also known in the market can be used in place of the split or half of a double edged blade.

To assemble the blade 13 and razor, the blade 13 is laid upon the underneath side of the blade holder 17 with the cutting edge 12 through the cutout 11. The narrow extending portions 31, the extending portion 32 and the central portion 25 are all bent underneath the blade holder 17 upon the blade 13 thus holding the blade firmly at five portions. The assembled unit is grasped between two fingers at the finger grips 27 with absolute safety and slid into the channel 29 of the handle 30. The side members 22 hug the sides of the handle 30 and prevents any sideward movement of the handle maintaining it at an angle of 90° to the razor. The gripping of the blade holder 17 and the center portion 25 between the end portions of the handle forming the channel 29 gives added strength and rigidity to the razor and blade and adds to the gripping of the blade between the blade holder 17 and the cen-

ter portion 25. Because of the thickness of the handle 30 the channel 29 has sufficient width to aid in maintaining the razor at right angles to handle 30.

It should be noted that while the blade 13 remains flat and is not flexed, the blade is held and supported at so many portions that it remains fixed and rigid within the razor.

When the razor and blade are not assembled with the handle the entire razor in its disassembled condition can be packed in a very small container or wrapped in a small package which could be sold and dispensed in an automatic vending machine at an inexpensive price so that the entire razor would be discarded after a single shave.

It is obvious that the handle can be made of interesting and different shapes to carry advertising matter and trade-marks for various kinds of advertisers; for example, the handle may be shaped like a bottle to carry the names or mark of a beer concern.

It is also obvious that various changes and modifications may be made in the details of construction and arrangement of parts without departing from the general spirit of the invention.

I claim:

1. A razor comprising a blade holder of a single piece of metal, said blade holder having a central back portion and a safety guard, an opening for the cutting edge of a blade, clamping portions bent from the material at the opposed ends and at the back adjacent said ends of said holder for clamping a blade in said holder, a handle holding member bent from said central back portion, a handle having a channel at one end for receiving said blade holder and handle holding member, said holding member bent beneath said blade holder and having a pair of opposed flanges for retaining said handle at right angles to said blade holder and said blade clamped beneath said blade holder and between said blade holder and said handle holding member.

2. A razor comprising a blade holder of a single piece of metal, said blade holder having an extending central back portion and a safety guard bent from the front edge of said holder, gripping portions bent beneath said holder at the opposed ends, back and central part of said holder for positioning and firmly holding a blade in fixed position in said blade holder, a handle holding member bent from the metal of said extending central back portions of said blade holder, an opening for the cutting edge of a blade, a handle having a channel at one end for receiving said blade holder and handle holding member, said holding member bent beneath said blade holder and having a pair of opposed flanges for retaining said handle at right angles to said blade holder, said gripping portions bent against a blade to hold said blade in fixed position within said blade holder.

3. A razor comprising a blade holder of a single piece of metal having a front, back, ends and a central extending back portion, said blade holder having a safety guard bent from the front edge of said holder, gripping portions bent beneath said holder at the opposed ends, back and central part of said holder for positioning and firmly holding a blade in fixed position in said blade holder and a handle holding member, bent from said extending central back portion of a blade holder, an opening for the cutting edge of a blade, a handle having a channel at one end for receiving said blade holder and handle holding member and finger gripping members bent from the material of said holder and extending from the opposed sides thereof.

4. A razor comprising a blade holder of a single piece of metal substantially rectangular in form having a front, back, ends and an extending central portion, said blade holder having a safety guard bent from the front edge of said holder, gripping portions bent beneath said holder at the opposed ends, back and central part of said holder for positioning and firmly holding a blade in said holder, and a handle holding member fashioned from said extending central portion, said extending central portion comprising a central part and opposed wings, said extending portion partially slit at said back of said holder, said wings bent at right angles to said central part for holding said handle, said central part and said wings bent beneath said holder, said central part holding said blade in fixed position at its central portion, a rectangular opening for the cutting edge of a blade to pass therethrough, a handle having a channel at one end for receiving said blade holder and handle holding member, and members adapted to be gripped by the fingers bent from the ends of said material of said holder and extending from the opposed sides thereof and horizontal strengthening ribs on said safety guard and said blade holder.

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