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O. V. BURKE

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SAFETY RAZOR

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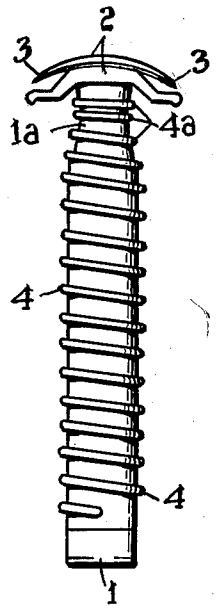


FIG. 1

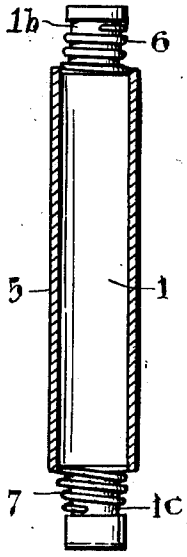


FIG. 2

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SAFETY RAZOR

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In New Zealand October 29, 1946

1 Claim. (Cl. 30—85)

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This invention relates to safety razors of any of the usual types having a handle disposed substantially T-wise with the blade-holder.

In such razors, as hitherto constructed, the said handle has been rigid with the blade-holder and consequently the operator, in performing the shaving strokes, has been obliged to turn the razor, as about the axis of the handle, to cause the blade to conform to the various parts of the face, an operation which calls for care and a somewhat delicate manipulation of the handle to avoid cutting the skin.

It is the object of the present invention, however, to provide a novel construction whereby the blade-holder will be free to permit its contained blade to automatically adapt its position to the part of the face with which it is in contact, thus reducing the manual operation of shaving to simply drawing the razor over the face to perform the shaving strokes.

In carrying this object into effect, according to the invention the grip, or portion of the handle to be grasped by the fingers, is connected with the blade-holder by means which permits of such blade-holder turning or pivoting as about the axis of the handle, the said grip being preferably mounted to allow a slight tolerance or freedom of movement laterally or radially with respect to such axis.

In order that the nature of the invention may be clearly understood it will now be more fully described and explained with reference to the accompanying drawings, showing, by way of example, certain practical methods of carrying the invention into effect, and in which:

Fig. 1 shows in elevation a form of the invention applied to a known type of safety razor, and,

Fig. 2 illustrates, also in elevation, a modification of the construction in which the grip is shown in section while the blade-holder is omitted.

Referring first to Fig. 1:

The safety razor, which, as already mentioned, is of a known type including a handle 1, of cylindrical form, upon the upper end of which is affixed a holder 2 carrying a blade 3.

As here shown, the grip to be grasped by the operator for the purpose of holding and manipulating the razor, consists of a spring or helix 4 of wire encircling the cylindrical part of the handle 1, such helix being formed at its upper end with a few convolutions 4a of relatively smaller diameter embracing a diametrically reduced or waisted portion 1a of the handle in order to retain such helix lengthwise thereon.

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The arrangement is such as to allow of the handle turning freely within the helix the main convolutions of which are preferably of a diameter to fit loosely or with a slight amount of tolerance upon the cylindrical part of the handle, in order to permit the latter freedom to move to a slight extent laterally or in a radial direction within the helix which is desirable when the razor is in use.

Referring now to Fig. 2:

In this case the grip takes the form of a sleeve 5 freely received upon the cylindrical handle 1 and upon which such sleeve is retained against end-wise movement by means of a pair of springs 6 and 7 attached one to the upper and the other to the lower end of the sleeve 5 and coiled to embrace respectively diametrically reduced portions 1c and 1b provided in the parts of the handle above and below the part received within the sleeve 5.

Preferably also, as here shown, the bore of the sleeve 5 is of a diameter slightly greater than the external diameter of the received part of the handle in order to permit the latter slight freedom of movement laterally within such sleeve, as in the case of the previously described construction.

In operation, the razor being held by the hand of the operator grasping the grip, the handle 1 will be free to turn axially within such grip and also to move or vary its position slightly in the lateral direction within such grip and consequently the blade-holder 2, which is rigid with such handle, will be free to adapt its position to bear truly against the part of the face with which it is in contact, thus enabling the operation of shaving to be performed by simply making the necessary strokes of the razor.

In practice, the construction of the grip may be modified or varied without departing from the invention the scope of which is defined by the claim hereinafter contained.

I claim:

A handle and grip assembly for safety razors including an elongated handle and a rotary grip

attachment for the handle comprising a wire helix surrounding the handle and having terminal coils of reduced diameter loosely encircling a reduced diameter portion of the handle and serving, in conjunction with said reduced diameter portion of the handle, to rotatably secure the grip attachment and handle together so that they are free to rotate relatively to each other but are held against relative bodily movement in the axial direction thereof, said handle being at least as long as the encircling helix.

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