

W. E. O'REILLY.
SAFETY RAZOR.
APPLICATION FILED NOV. 10, 1915.

1,195,259.

Patented Aug. 22, 1916.

Fig. 1.

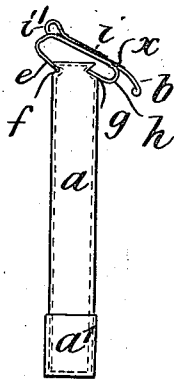


Fig. 2.

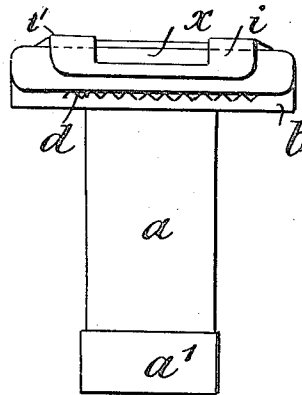


Fig. 3.

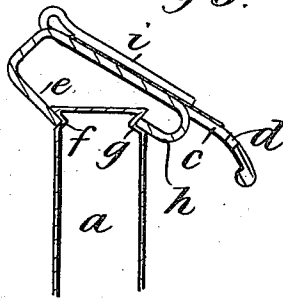
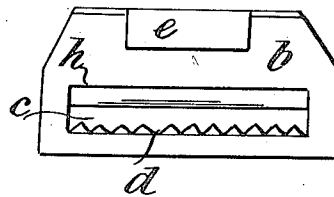


Fig. 4.



Witnesses:

Chas. H. Whitman.

H. D. Penney

Inventor:

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UNITED STATES PATENT OFFICE.

WILLIAM EDMUND O'REILLY, OF LONDON, ENGLAND.

SAFETY-RAZOR.

1,195,259.

Specification of Letters Patent.

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Application filed November 10, 1915. Serial No. 60,783.

To all whom it may concern:

Be it known that I, WILLIAM EDMUND O'REILLY, a subject of the King of Great Britain, residing in London, England, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to improvements in and relating to safety razors, and it refers to razors of the type in which a thin blade mounted in a guard is arranged transversely of the line of the handle.

The present invention has for its object to provide a razor of this type in which the holder and handle may be readily disconnected and the razor reduced to such dimensions as will enable it to be readily carried safely in the waistcoat pocket.

The invention, broadly stated, consists in constructing the handle of the razor hollow, and of such dimensions that it will accommodate the guard with the blade therein, provision being made whereby, when required for use, the said guard may be readily connected to the handle at a right-angle to the line thereof. A lid or cover is provided for one end or the side of the handle.

Various means of attachment may be employed for connecting the guard to the handle, for example spring members upon the guard, or the handle may be provided for this purpose, or the underside of the guard may be provided with one or more projections which may slidably engage suitable ways upon the handle or vice versa.

In order to permit of the ready adjustment of the blade with respect to the comblike edge of the guard, the said blade is held by friction so that it may be readily slid toward or away from the said edge. The teeth of the guard may, under some circumstances, instead of as is usual in razors of this type being directed away from the blade, be directed toward the edge thereof. By this means not only is the discharge of the lather and hair facilitated, but the teeth can be brought closer to the cutting edge whereby the safety of the user is enhanced.

In order that the invention may be the better understood, drawings are appended in which:—

Figure 1 is a side elevation of the razor ready for use. Fig. 2 is a front view of the razor. Fig. 3 is an enlarged sectional view. Fig. 4 is a back view of the guard.

Referring to the accompanying drawings,

a indicates the holder or case for the guard and which case is provided with a lid or closure *a*¹.

b indicates the guard which, in the embodiment of the invention illustrated, is formed of a single piece of metal the length of which is approximately the same as the length of the razor blade, indicated by *x* in Figs. 1 to 3. The guard is cut away at *c* and has formed upon it at *d* a series of teeth of more or less usual form but which teeth it will be noted, in contradistinction to teeth usually provided upon a safety razor, are directed toward the edge of the razor blade. The guard at its upper end is provided with an extension *e* which is turned backwardly and downwardly as clearly shown in Figs. 1, 3 and 4, said extension at its lower end being designed to engage a channel *f* formed along one face of the case and preferably at the bottom thereof. A second channel *g* is provided upon the opposite face of the case *d*, the purpose of which is to receive the lower edge of the part *h* formed by suitably turning or bending the metal which is cut away to form the aforesaid opening *c*. The parts *e* and *h* slidably engage the channels *f* and *g* and by this means the ready attachment and removal of the guard is permitted. The blade *x* previously referred to is adjustably held in position upon the guard by means of the tongue *i* which is formed integral with the guard *b* and is bent or turned over at *i*¹ until the body of said tongue lies parallel with the plane of the upper surface of the guard between which and the undersurface of the said tongue the blade is slid, being held in position by the pressure of the said tongue *i*. When required for use the guard is connected to the case *a*, being disposed at a right angle to the major axis of said case, the case then forming the handle. When not required the holder, and with it the blade, is removed and placed in the handle.

By means of the present invention I am enabled to produce a razor of such dimensions as will enable it to be readily carried in the waistcoat pocket, and which at the same time may be rapidly assembled or disconnected when so desired. By arranging the teeth of the guard in the manner described, I am moreover enabled not only to secure a nicer adjustment of the blade whereby the chances of cutting the skin is avoided but the discharge of the lather and hair is facilitated so that the razor is much more

readily cleaned. Instead of the teeth of the guard being arranged in the manner shown and described I may under some circumstances employ a guard having teeth of ordinary form, that is to say, said teeth may be formed upon the outer edge of the guard, being directed away from the cutting edge of the blade *x*.

While I have shown and described a preferred form of construction and arrangement of the guard it will be understood that I do not desire to limit myself to the same as I may make such changes in the said construction and arrangement as may be found in practice to be necessary or desirable. The means of attachment of the guard to the handle may also be varied as may be desired.

Claims:

1. In a razor in combination, a razor-blade; a blade-holder, a handle comprising a hollow-body of rectangular cross sectional outline closed at the upper end and adapted to contain the blade-holder; a removable closure for the lower end of said hollow body-handle; said handle having securing channels upon opposite sides adjacent the upper end; and projections upon the holder

designed to slidingly and removably engage said channels; the projection upon one side being lower than that upon the other, whereby the holder is inclined with respect to the axial line of the handle.

2. In a razor in combination, a razor-blade; a blade-holder; a handle comprising a hollow-body of rectangular cross sectional outline, closed at the upper end and adapted to contain the holder; a removable closure for the lower end of said hollow-body-handle; such handle having channels upon opposite sides adjacent the upper end; and intumed extensions upon opposite sides of the holder forming projections to engage the channels upon the opposite sides of the holder, the projection upon one side being lower than that upon the other whereby the holder is inclined with respect to the longitudinal axis of the handle.

In witness whereof I have hereunto set my hand in the presence of the two undersigned witnesses.

WILLIAM EDMUND O'REILLY.

Witnesses:

F. E. F. ADAM,

C. CUTHBERTSON.