A. HYGONNET.

SAFETY RAZOR.

APPLICATION FILED JAN. 27, 1909.

950,820.

Patented Mar. 1, 1910.

FIG_1_

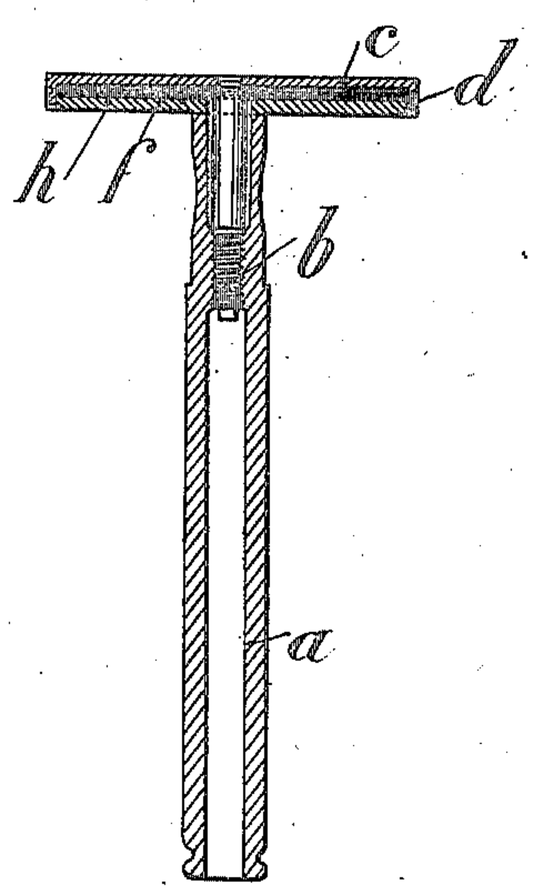


FIG_2_

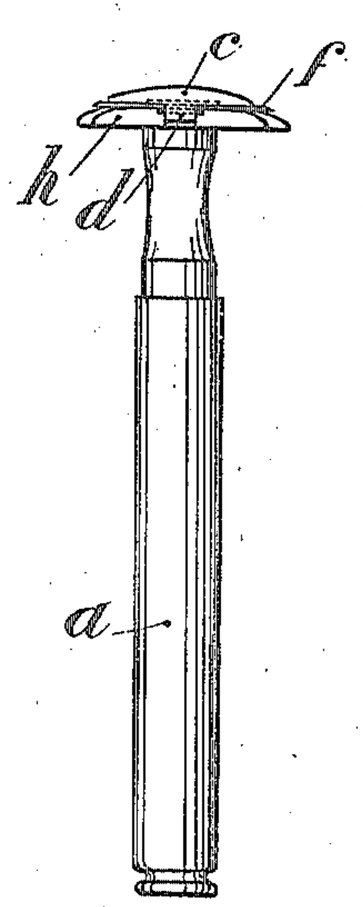


FIG_3_

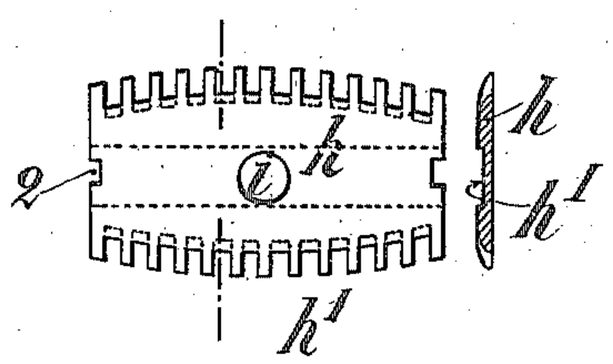


FIG_4_

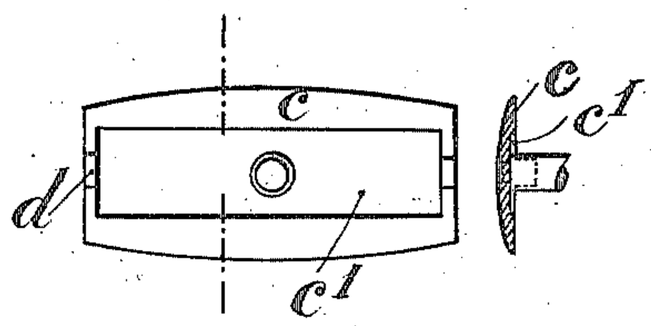


FIG_6_

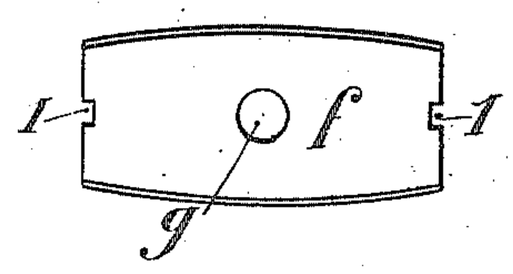
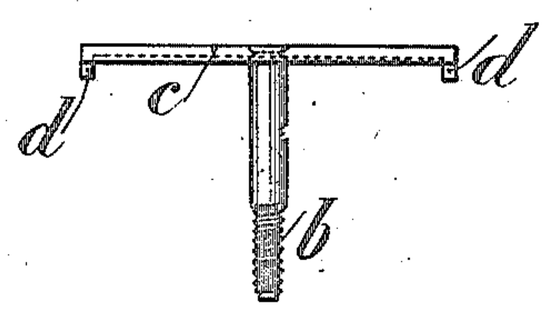


FIG_5_



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Inventor:
Auguste Hygonnet
by Atty
his Attorney

UNITED STATES PATENT OFFICE.

AUGUSTE HYGONNET, OF PARIS, FRANCE, ASSIGNOR TO SOCIÉTÉ GÉNÉRALE DE COUTELLERIE ET ORFÈVRERIE, OF PARIS, FRANCE.

SAFETY-RAZOR.

950,820. Specification of Letters Patent. Patented Mar. 1, 1910.

Application filed January 27, 1909. Serial No. 474,407.

To all whom it may concern:

Be it known that I, AUGUSTE HYGONNET, citizen of France, residing at 31 Rue Pastourelle, Paris, in the Republic of France, have invented new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates to a safety razor, which is simple in construction and easy and safe to manipulate, as will appear from the following description.

In the annexed drawing, Figure 1 is a longitudinal section of the razor fitted up ready for use. Fig. 2 is an elevation at right angles to Fig. 1. Fig. 3 shows a plan view and a section of one part of the razor, *i. e.* the guard. Fig. 4 shows a plan and a section of another part of the razor, *i. e.* the backing plate. Fig. 5 is an elevation of the backing plate. Fig. 6 is a plan of the blade.

The razor comprises four parts: the handle *a*, the backing *c*, the blade *f* and the guard *h*.

The cylindrical handle *s*, which is in one piece, is perforated throughout its length and is screw-threaded internally at one end for engagement with the screw-threaded stem *b* in one with the backing *c*. The said backing is in the form of a rectangle the longer edges of which are slightly curved: its outer face is convexed and smooth for sliding over the skin and its inner or lower surface against which the blade bears is recessed at c^1 so that the blade only bears on the periphery. Projecting from the under face of the backing is a central stem *b* with a terminal screw-thread, and two small fins *d* are arranged one in the center of each of the short edges of the backing.

The blade *f*, shown in plan in Fig. 6, is constituted by a small plate of very thin steel, whose two longer edges are curved and sharpened for forming the two cutting edges of the razor and whose two shorter sides are straight and are each provided with a notch 1 in the middle so as to allow of the passage of the projections or fins *d* when the blade is applied to the backing. In order that the stem *b* may pass freely, the blade has at its center a circular orifice *g*. Finally the guard *h* has its long slightly curved sides cut to form teeth and its short straight sides are each provided at the middle with a notch 2 through which pass the fins *d* when the razor is fitted up. The upper face of the guard which bears against the blade when the razor is put together for use is recessed longitudinally at h^1 so as only to contact with the blade on its longitudinal edges.

To put the parts together, the blade *f* is placed on the backing, being passed over the stem *b* and caused to engage the fins *d;* then the guard is placed above and also passed over the stem *b* and caused to engage the fins *d*. It only remains to screw the handle *e* on the stem *b*. A razor thus constituted possesses a number of advantageous features.

The curved edges of the blade permit of shaving very close with the whole length of the blade without the necessity of applying the blade hard against the skin, as is necessary with blades with straight edges.

The fins *d* with the notches 1 and 2 avoid any possibility of any relative movement of the parts, and assure parallelism between the edges of the blade and the toothed edges of the guard, and facilitate fitting up. Finally the recesses c^1 and h^1 in the backing and in the guard serve not only to lighten the razor, but assure a better grip of the curved cutting edges of the blade which is held between the edges of the said backing, and the guard, the central parts of these members not touching the blade.

Having described my invention what I claim and desire to secure by Letters Patent of the United States is:—

In a safety razor, the combination with a backing plate convexed on its outer side having two curved edges and a single longitudinal recess of substantial width traversing its lower face and being provided with a depending threaded stem, and a depending lug at each of its shorter sides, of a razor blade having two curved sides, said razor blade having a notch in each of its shorter sides and being designed to rest against the backing plate, a guard having two curved sides and being provided on one of its faces with a single longitudinal recess of substantial width, each of the shorter edges of said

guard having a notch to receive the depending lugs of the backing plate, and an internally threaded handle designed to engage the threaded stem of the backing plate and secure the parts in position, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

AUGUSTE HYGONNET.

Witnesses:
ANTOINE LAVOIS,
ELLWOOD AUSTIN WELDEN.