E. TUNMER.

SAFETY RAZOR.

APPLICATION FILED OCT. 24, 1921

1,435,266. Patented Nov. 14, 1922.

FIG. 2.

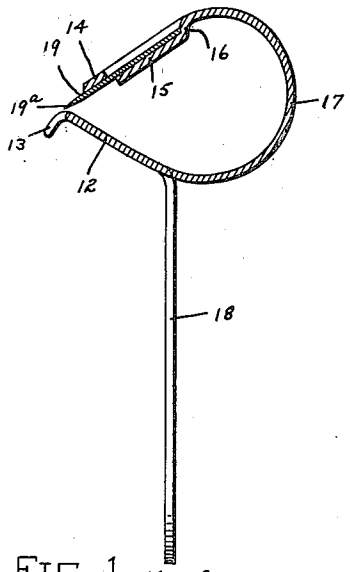


FIG. 3.

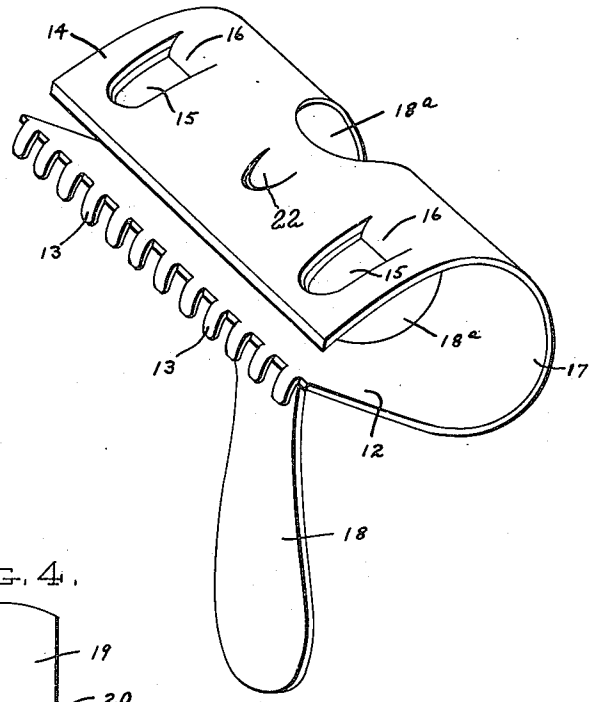


FIG. 1.

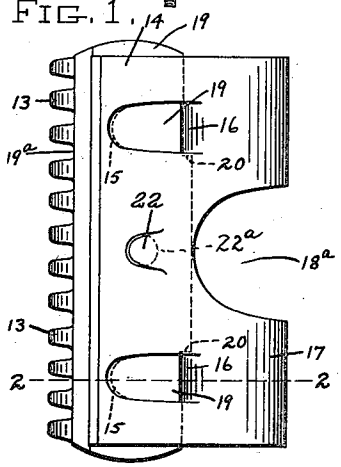
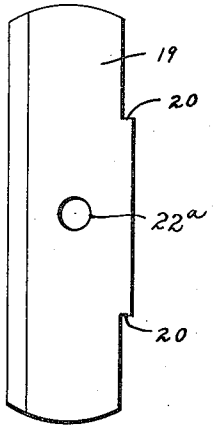


FIG. 4.



INVENTOR

Ernest Tunmer

by Wright Brown Quinby & May

ATTORNEYS

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UNITED STATES PATENT OFFICE.

ERNEST TUNMER, OF CHICAGO, ILLINOIS.

SAFETY RAZOR.

Application filed October 24, 1921. Serial No. 510,047.

To all whom it may concern:

Be it known that I, ERNEST TUNMER, a subject of the King of Great Britain, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Safety Razors, of which the following is a specification.

This invention relates to a safety razor comprising a body and a blade detachably engaged with the body. The object of the invention is to provide an improved construction of the body and blade, whereby an effective, desirable and simple razor is produced at a minimum expense.

This invention is embodied in the improvements which I will now proceed to describe and claim.

Of the accompanying drawings forming a part of this specification,—

Figure 1 is a top plan view of a razor embodying the invention.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a perspective view of the body, the blade being removed.

Figure 4 is a side view of the blade.

The drawings show the parts enlarged to about twice their actual size.

My improved safety razor body comprises a base portion 12, having notches forming guard fingers 13, which are bent to stand at an angle with the base portion, said fingers and the edge of the base portion from which they project forming a comb-shaped guard. The body also comprises a blade-holding portion 14, having an edge parallel with said guard, and inwardly offset blade-confining tongues 15, connected with the blade-holding portion by bent necks 16. The body also comprises an intermediate portion 17, connecting the base and the blade-holding portions, and maintaining said portions in operative relation to each other.

The body is provided with a handle 18, joined to the base portion and projecting therefrom, as shown by Figures 2 and 3.

The tongues 15 are adapted to confine a detachable blade 19 against the inner side of the blade-holding portion 14. The rear edge of the blade, which is not sharpened, bears upon the outer sides of the necks 16, the form and arrangement being such that the cutting edge 19^a of the blade is supported by said necks in operative relation to the guard, as shown by Figure 2. The rear edge of the blade is provided with shoulders 20, which bear on end portions of the necks 16 to prevent endwise displacement of the blade.

The connecting portion 17 maintains the base portion 12 and the blade-holding portion 14 in the operative relation to each other shown by the drawings, said portions being in planes converging toward each other.

The body is preferably made from a single piece or blank of flat-sided sheet or plate metal, of such thickness that the base portion 12 and blade-holding portion 14 are rigidly confined, and are not free to spring toward and from each other.

The handle 18 is cut and bent from the connecting portion 17, and joined only to the base portion 12, the area of the cutting portion being such that an operative handle may be cut and bent therefrom, without objectionably weakening the cutting portion, a slot 18^a being formed in the cutting portion by the operation of cutting and bending the handle.

The one-piece body thus formed is adapted to be manufactured at a small expense, and is adapted to securely confine the blade 19 in its operative position with relation to the guard, and to permit the convenient insertion and removal of the blade.

To prevent forward edgewise displacement of the blade from its operative position, I provide the blade-holding portion 14 with a central tongue 22, formed by cutting and pressing some of the metal of said portion. Said tongue is adapted to spring or snap into a hole 22^a, formed for its reception in the blade. Said tongue and hole are adapt to cooperate in preventing both forward edgewise displacement and endwise displacement of the blade, so that a blade may be employed which is not provided with the shoulders 20.

I claim:

1. A safety razor body comprising a base portion having notches forming guard fingers which are bent to stand at an angle with the base portion, said fingers and the edge of the base portion forming a comb-shaped guard, a blade-holding portion having an edge parallel with said guard, and inwardly offset blade-confining tongues connected with the blade-holding portion by bent necks, an intermediate portion connecting the base and the blade-holding portions, and maintaining said portions in operative relation to each other, and a handle joined to the base por-

tion, said tongues being adapted to confine a detachable blade against the inner side of the blade-holding portion, the said necks being adapted to cooperate with the rear edge of said blade and with shoulders on said edge, in locating the cutting edge of the blade in operative relation to said guard, and in preventing endwise displacement of the blade.

2. A safety razor body substantially as specified by claim 1, the said body being made from a single piece, and the handle being cut and bent from the said connecting portion and joined to the said base portion.

3. A safety razor body comprising a base portion having notches forming guard fingers which are bent to stand at an angle with the base portion, said fingers and the edge of the base portion forming a comb-shaped guard, a blade-holding portion having an edge parallel with said guard, inwardly offset blade-confining tongues connected with the blade-holding portion by bent necks, and a central spring tongue projecting inwardly from its inner side, an intermediate portion connecting the base and blade-holding portions, and maintaining said portions in operative relation to each other, and a handle joined to the base portion, combined with a blade inserted between said blade-holding portion and tongues, and having a rear edge bearing against the side portions of said necks, to locate the cutting edge in operative relation to said guard, and a hole adapted to cooperate with said central tongue in preventing displacement of the blade.

In testimony whereof I have affixed my signature.

ERNEST TUNMER.