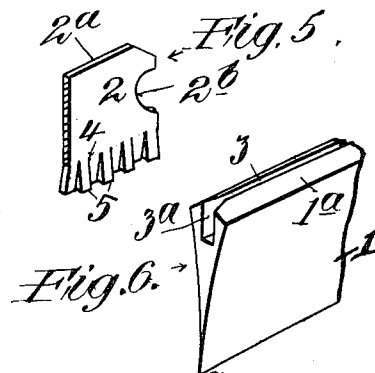
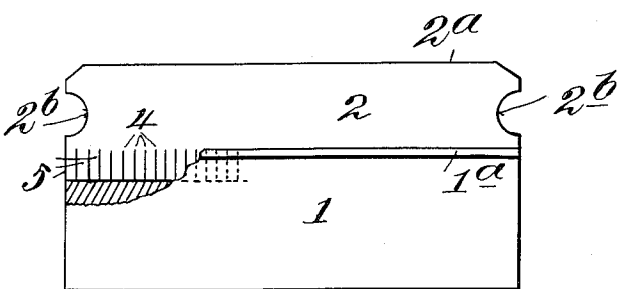
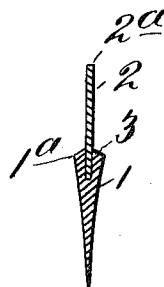
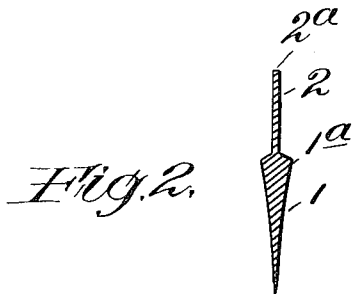
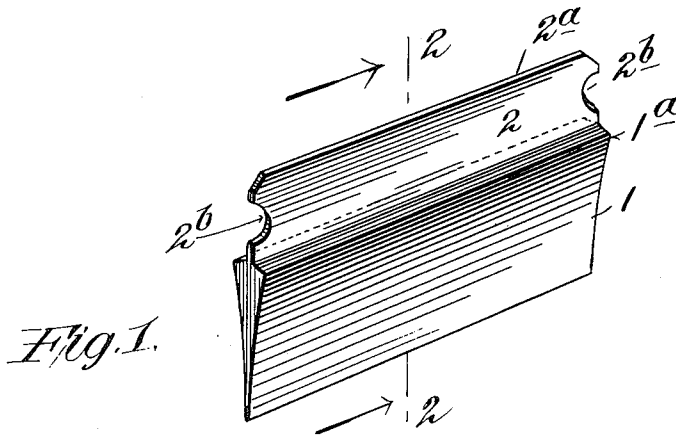


H. J. GAISMAN.
 RAZOR BLADE.
 APPLICATION FILED APR. 24, 1909.

1,060,245.

Patented Apr. 29, 1913.



Witnesses:
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UNITED STATES PATENT OFFICE.

HENRY J. GAISMAN, OF NEW YORK, N. Y., ASSIGNOR TO AUTO STROP COMPANY, OF
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RAZOR-BLADE.

1,060,245.

Specification of Letters Patent.

Patented Apr. 29, 1913.

Application filed April 24, 1909. Serial No. 491,916.

To all whom it may concern:

Be it known that I, HENRY J. GAISMAN, a citizen of the United States, and resident of New York city, borough of Manhattan, in the county of New York and State of New York, have invented certain new and useful Improvements in Razor-Blades, of which the following is a specification.

The object of my invention is to provide a blade of the wellknown hollow ground, wedge-shaped or similar variety, and means for detachably retaining the same in a suitable holder, and to this end I provide such a blade with a relatively thin web or fin extending outwardly from the thick part of the blade opposite the cutting edge, said web or fin being centrally disposed at the thick part of the blade in line with the cutting edge.

In the form illustrated in the accompanying drawings the web or fin is substantially of the same length as the blade and is provided with notches or recesses in its opposite ends. The blade so constructed is adapted to be detachably retained in the holder of wellknown safety razors, and provides the advantage of interchangeability in such holder with the customary flat or relatively thin blades used in such holders.

Reference is to be had to the accompanying drawings forming part hereof, wherein,

Figure 1 is a perspective view of a blade embodying my invention, Fig. 2 is a cross section on the line 2, 2, in Fig. 1, Fig. 3 is a cross section illustrating the web or fin in a piece separate from the blade, Fig. 4 is a side view partly in section, showing means for holding the web or fin to the blade, Fig. 5 is a detail of part of the web or fin, and Fig. 6 is a detail of the blade of Fig. 4.

In the drawings, in which similar numerals of reference indicate corresponding parts in the several views, the numeral 1 indicates a thick-back blade of suitable form, shown of size and shape suitable for use in a safety razor.

At 2 is a relatively thin web or fin extending outwardly from the thick portion 1^a of the blade, the ends of the web or fin 2 being shown substantially flush with the corresponding ends of the blade, and the outer edge 2^a of web or fin 2 is shown parallel with the cutting edge of the blade. At the ends of web or fin 2 are notches 2^b cut into the metal so as not to project beyond the ends

of the blade. The relatively thin web or fin 2 is adapted to be detachably retained in the blade holder of wellknown safety razors, and the notches 2^b are adapted to be used in conjunction with the blade retaining devices of such holders, the arrangement being such that blade 1 may be used interchangeably in such holders with the blades ordinarily used in such razors. The corners of the web are cut away or beveled to facilitate the application of the blade to blade holders of safety razors.

In Figs. 1 and 2 the web or fin 2 is shown as formed integrally with the metal of the blade, while in Figs. 3, 4 and 5 the web or fin 2 is shown in the form of a separate piece of metal set into a slot or recess 3 in the heel or back edge of the wide part 1^a of the blade, and may be retained therein by pressing the metal of the blade firmly against the web or fin, or by solder, or in any other desired manner.

In Figs. 4, 5 and 6 the lower edge of web or fin 2 is shown slit at 4 providing teeth or projections 5, which are bent on opposite sides to a suitable extent, preferably alternately (Fig. 5), to be wider than slot 3 of the blade, so that when the web or fin 2 is slid endwise into slot 3 from its end the teeth 5 will be compressed or pressed into alignment with the opposite faces of the web or fin. By this means the outward spring tendency of teeth 5 will serve to retain web or fin 2 in slot 3 of the blade by bearing against the walls of slot 3. One end of slot 3 may be flaring, as at 3^a, Fig. 6, to aid in crowding the spread teeth into slot 3. Such spread teeth may be forced into slot 3 in any other suitable manner.

The web or fin 2 may be made less hard than the blade, thereby reducing danger of breakage of a tempered or hardened web or fin, and in the construction of Figs. 3 to 6 the blade may be hardened or tempered as usual, while web or fin 2 may be made of ordinary untempered steel or other metal.

Having now described my invention what I claim is:—

1. A razor blade provided with a slot at its back edge and a web provided with teeth or projections bent toward opposite sides of the faces of the web and set into said slot to press on the walls of said slot.

2. A safety razor blade comprising a blade member having a cutting edge and a

relatively thick back, a web relatively thin as compared with the back of the blade, said web extending from the back in a direction opposite to the blade, said web being of substantially equal length with the back and having recesses in its ends at points intermediate the back of the blade and the outer edge of the web, said web having its corners beveled and being adapted to be clamped on its sides by a blade holder of a safety razor and the recesses in the ends of the web being adapted for the reception of blade retaining devices associated with the blade holder.

3. A safety razor comprising a blade member having a cutting edge and a relatively thick back, a web projecting from the back at approximately the transverse center of the said back and extending to the ends of the blade, the said back forming shoulders at each side of the web, said web having

recesses in its ends intermediate the back of the blade and the outer edge of the web, the said web being designed for engagement with the blade clamping members of a safety razor, the shoulders at the sides of the web being for engagement with the edges of the clamping members and the recesses being adapted to receive blade retaining devices of the blade clamps of safety razors, said web having beveled corners to enable the web to be pushed edgewise into the holder of the safety razor.

Signed at New York city, in the county of New York, and State of New York, this 20th day of April, A. D. 1909.

HENRY J. GAISMAN.

Witnesses:

MAX DAVIS,
EDNA E. WARD.