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J. VAUGHAN

SAFETY RAZOR BLADE SHARPENER

Filed Dec. 26, 1922

Fig. 1.

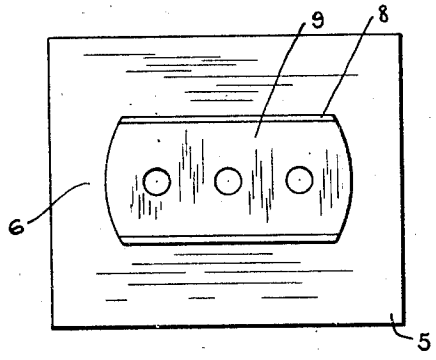
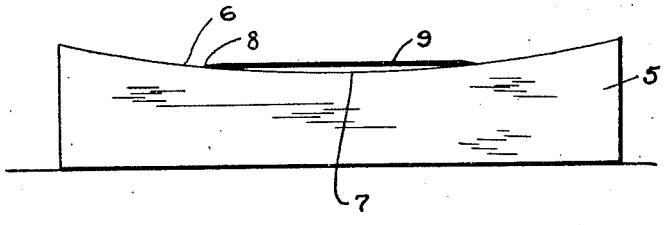


Fig. 2.



INVENTOR.

BY John Vaughan.

Morsell & Keeney.

ATTORNEYS.

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UNITED STATES PATENT OFFICE.

JOHN VAUGHAN, OF MILWAUKEE, WISCONSIN, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, OF THREE-EIGHTHS TO ALLEN NOR, OF MILWAUKEE, WISCONSIN, AND ONE-EIGHTH TO WILLIAM F. SIMONSEN.

SAFETY-RAZOR-BLADE SHARPENER.

Application filed December 26, 1922. Serial No. 608,956.

This invention relates to improvements in safety razor blade sharpeners.

It is one of the objects of the present invention to provide a safety razor blade sharpener which can be easily and cheaply manufactured.

A further object of the invention is to provide a slab or block which is adapted for sharpening safety razor blades having either one or two cutting edges.

A further object of the invention is to provide a means of the class described which makes it very simple to sharpen or whet safety razor blades.

A further object of the invention is to provide a safety razor blade sharpener in which there are no moving or mechanical parts to get out of order.

A further object of the invention is to provide a sharpener of the class described which is of very simple construction, is strong and durable, and is well adapted for the purposes described.

With the above and other objects in view, the invention consists of the improved safety razor blade sharpener and its parts and combinations as set forth in the claims, and all equivalents thereof.

In the accompanying drawing in which the same reference numerals indicate the same parts in all of the views:

Fig. 1 is a plan view of the improved safety razor blade sharpener showing a blade in position; and

Fig. 2 is an end view thereof and on a larger scale.

Referring now more particularly to the drawing, it will appear that the invention consists of a slab 5 which is composed of oil-stone, sand-stone, unpolished glass, or any other similar material or composition which is adapted for sharpening steel. The slab is preferably rectangular in shape and of a convenient breadth. The length and width of the slab are unimportant, except that they must somewhat exceed the length and width of a safety razor blade in order to insure the efficient operation thereof. The feature of the device resides in the concave surface 6 of the slab and said concavity extends longitudinally with the slab. The curvature of the concavity is important in that the side portions of the concavity must slope sufficiently to conform with the bevel 8 on the edges of a blade 9. However, if the concavity slope is greater than the bevel of the razor blade edge, it will only necessitate more pressure on the blade during the sharpening process.

To sharpen a blade, the blade is placed on the slab as shown in Fig. 1. As appears in Fig. 2 the edges of the blade will rest on the downwardly inclined portions of the concave surface of the slab, while there will be a space left between the mid-portion of the blade and the lower part of the concavity. The operator then exerts a slight pressure on a medial portion of the blade and at the same time, he gives the blade a rotary movement over the concave surface of the slab and the blade edges will thereby become sharpened, the slope of the concave surface compensating for the bevel of the blade edges and insuring a contact at all times. It is also obvious, that single edge blades may be sharpened in the same manner.

From the foregoing description, it will be seen that the improved safety razor blade sharpener is of very simple construction, and is well adapted for the purpose described.

What I claim as my invention is:

1. As a new article of manufacture, a safety razor blade sharpener consisting of a flat slab of abrading material having a concave sharpening surface of greater width than the width of an ordinary safety razor blade.

2. As a new article of manufacture, a sharpening device suited for use with any form of safety razor blades and consisting of a flat slab of abrading material having a longitudinally extending concave sharpening surface, any portion of which may be readily utilized for the sharpening of a safety razor blade.

3. A sharpening device, consisting of a slab-like body provided with a concave,

abrasive sharpening face to permit the disposition of a razor blade on any portion thereof whereby a blade may be manually rotated over said face.

4. A sharpening device, consisting of a slab like body provided with a concave abrasive sharpening face of greater width than the width of a razor blade, the radius of the curve of said face corresponding to the bevel of the edge of the blade to be sharpened thereon in any position of use.

In testimony whereof, I affix my signature.

JOHN VAUGHAN.