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G. T. BYRNE

SHARPENING COMPOSITION

Filed Oct. 6, 1923

Fig. 1.

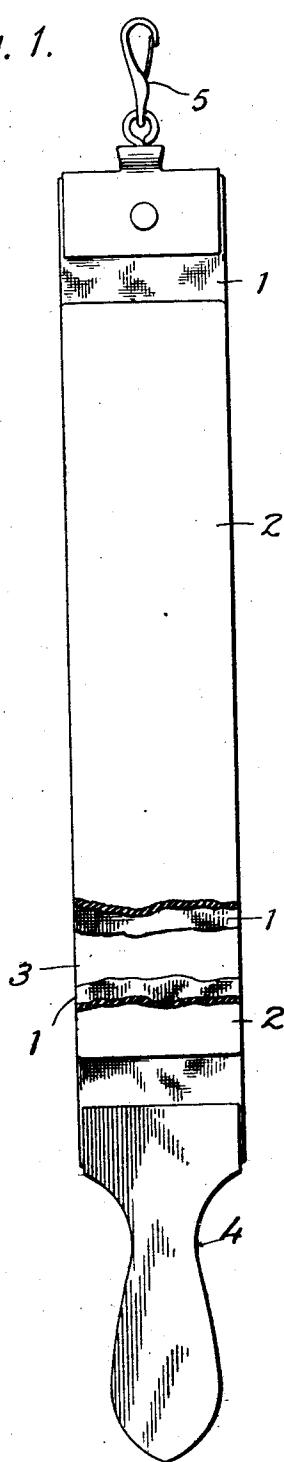
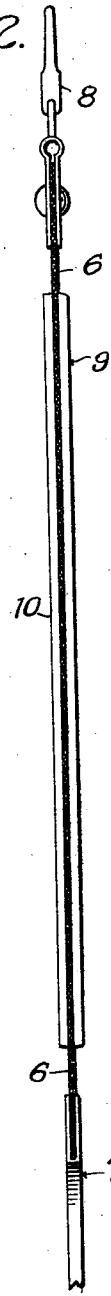


Fig. 2.



Inventor

George T. Byrne,

Edson Bros.

By

Attorney

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UNITED STATES PATENT OFFICE.

GEORGE T. BYRNE, OF SEATTLE, WASHINGTON.

SHARPENING COMPOSITION.

Application filed October 6, 1923. Serial No. 666,985.

The present invention relates to sharpening compositions and more especially to sharpening compositions for razor blades of all kinds, either of the so called safety variety or otherwise.

An object of the present invention is to provide a sharpening composition, or a combination of sharpening compositions for the purpose of smoothing and sharpening a cutting edge, for example, the cutting edge of a razor.

A further object of the invention is to provide a combination of smoothing and sharpening compositions which may be used to smooth, and also sharpen a cutting edge by stroking the blades to be sharpened across the compositions.

Further objects and advantages of the invention will appear from the following description, taken in connection with the accompanying drawing, in which:

Figure 1 is a face view of a sharpening and smoothing device embodying the present invention.

Fig. 2 is a side elevation of the same.

Referring to said drawing, the reference numeral 1 indicates a suitable base or backing upon the lateral flat faces of which are respectively placed the compositions forming the sharpening and smoothing surfaces.

The reference numeral 2 indicates a composition consisting of a flexible glue and glycerine and may or may not include, as is deemed desirable, a dye.

The reference numeral 3 indicates a composition comprising a mixture of gum or gelatin and glycerine and may, desirably, include a dye. The dye for both compositions may be black or tan, or any other desirable color.

The glue composition may consist of any manufactured glue, as for instance hide glue, animal glue, blood glue, starch glue, etc. The proportions may be as follows: Animal glue (dry), 32.38%; glycerine, 31.30%; water, 36.16%; soluble red dye, quantity sufficient to color; preservative, quantity sufficient.

This is an illustration of suitable proportions, although other proportions may be used with equal success, best determined by experimentation.

Any procured gum may be incorporated in my gum composition, as for instance, shellac gum, rosin gum, lacquer gum, dammar gum, kauri gum, arabic gum, copal gum, manila gum, pontiac gum, etc. The qualities of the gum which I make use of are its elasticity and abrasive ability.

The backing or base which may conveniently be a strong piece of canvas, extends beyond the lateral coating or composition and is provided at one end with a handle 4 and at the other end with any desirable form of attaching device 5 for securing an end of the strop to a stationary support while the blade is being sharpened.

The compositions are used alternately in stroking the blade to be sharpened. The side of the sharpener, including the gum, rosin or gelatin, may conveniently be designated as the sharpening side and the side including the glue composition may conveniently be designated as the smoothing side.

By stroking a cutting edge to be sharpened across first one and then the other side of the razor strop comprising the present invention, a fine hair-cutting edge can be obtained and the strop is particularly effective to sharpen the blades of razors of any type, either of the so called safety type or otherwise.

What is claimed is:

1. The method of stropping a razor to preserve the wiry edge which consists in alternately stropping on surfaces of glue and of gum.

2. The method of stropping a razor to preserve the edge made by honing, which consists in alternately stropping the razor on a composition of flexible glue and glycerine, and on a composition embodying a suitable gum.

3. The method of stropping a razor which consists in first stropping on a composition having substantially 32% of a flexible glue, substantially 31% of glycerine and approximately 36% of water, and then stropping the razor on a composition embodying a suitable gum.

In testimony whereof I affix my signature.

GEORGE T. BYRNE.