A. V. BROKHAHNE.

Razor-Strop.

No. 208,670. Patented Oct. 8, 1878.

Fig. 1.

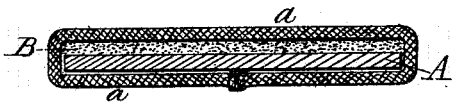
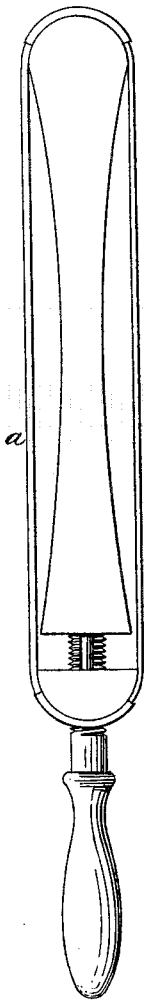


Fig. 2.



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ALFRED V. BROKHAHNE, OF NEW YORK, N Y.

IMPROVEMENT IN RAZOR-STROPS.

Specification forming part of Letters Patent No. **208,670**, dated October 8, 1878; application filed August 15, 1878.

To all whom it may concern:

Be it known that I, ALFRED V. BROKHAHNE, of New York city, have invented certain new and useful Improvements in Razor-Strops, of which the following is a specification:

This invention, briefly stated, consists, mainly, in the combination, with a flexible stropping-band of canvas or other permeable fibrous material, of an internal film or layer of grease, or equivalent pasty lubricating matter adapted to work through the interstices of the fabric by the action of stropping, to preserve the stropping-surface in a lubricated condition; also, in the combination of an internal core of sheet-lead with an outer inclosing layer of canvas or similar woven fabric, as hereinafter fully set forth.

In the drawing, Figure 1 is a cross-section of a stropping-band constructed according to my invention; and Fig. 2 is an elevation of a complete razor-strop of usual construction, provided with my improvement, mounted in the usual manner, which I prefer to employ.

The essential features of my invention are illustrated in Fig. 1. *a a* indicate the stropping-band proper, which for the purposes of my invention I prefer to construct of canvas of the kind generally used in strops. This is preferably formed, in the usual manner, in two folds, forming a flat sheath, as shown, the edges of the folded canvas strip being met together and stitched on the under side of the band, while the level upper side forms the stropping-surface.

One feature of my invention consists in a flexible leaden core, A, placed within the canvas sheath, or underlying the stropping-surface thereof, and preferably formed of thin sheet-lead. This lead core imparts a firmness to the strop, enabling the stropping-surface to remain more level and taut, and thus insure a more uniform and perfect stropping action on the razor-blade, obviating undue deflection of the margins of the strop, which commonly occurs with the usual canvas strop, and impairs the uniformity of the razor-edge.

The lead has also the advantage of greater cheapness, and of being so soft as not to injure the razor-edge should it come in contact therewith on the wearing down of the canvas. Its superior softness also renders the strop-band more flexible and passive, while yet being firm. The extra heaviness of the lead is also an additional advantage, as it imparts greater inertia to the strop, rendering it more immovable and steady under the stropping movement of the razor.

It is not essential that the canvas encircle the metal core, as shown, as the edges of the canvas and metal may be secured together on the under side; but the sheath form shown is preferable, as its construction is more simple.

The other main feature of my invention consists in an internal layer or film of grease, wax, or equivalent pasty lubricating material, B, underlying the stropping-surface, and, when the metal core is employed, intervening between the metal-core and the stropping-surface. This lubricating-film, which preferably consists of fine tallow or paraffine-wax, is designed more especially for use with canvas or similar woven fabric; but it may also be used with any permeable fibrous material usually employed for strops, such as leather, &c.; but the canvas is best adapted.

The grease or wax is absorbed by the overlying fabric, and gradually works through the interstices thereof under the action of stropping, thus imparting to the grained stropping-surface of the canvas a smooth lubricating quality, which, while in no way detracting from the characteristic stropping quality of the canvas, enables the blade to move upon the surface with much greater freedom and ease, and imparts a finer finish to the serrated quality of the edge, more free from feather or burr, than is the case when unlubricated canvas is used. The lubricating-film has also the effect of rendering the canvas more weather-proof, so that it but seldom requires adjustment to compensate for the effects of the weather.

The lubricating-film may be used with or without the metal core, as their combined use is not essential, although preferable, for the metal forms an impervious base on which to support the film under the stropping-surface, as will be understood.

My improved stropping-band may be mounted in any suitable manner, preferably on an expansible core or body of the usual form, as shown in Fig. 1, the strop being formed as an

endless band encircling the expansible body, as shown, or one half of the endless band being formed of leather of the usual kind, and the other half of the improved construction, the improved strop, with its metal core, being extended about two-thirds around the bend at each end of the body, where it joins the leather band by a suitable connection, as shown in Fig. 1.

I am aware that a lubricating-strop has been heretofore constructed; but in this case the strop has been formed of a hollow inflexible core having stropping-surfaces on its exterior, with a piston operating in the internal tube or hollow by the screw movement of the handle, to expel a liquid lubricant to the outer surfaces. My invention, however, as may be observed, is quite distinct from this device, as it consists of a flexible fibrous stropping-band inclosing an internal film of a pasty lubricant, which works through the interstices of the fabric by the stropping movement of the razor.

I am also aware that a metal or zinc core has been used in a leather stropping-band, and I therefore do not wish to be understood as claiming a metal core, broadly.

What I claim is—

1. A razor-strop formed of a flexible band of a permeable fibrous stropping material, provided with an internal or underlying film or layer of pasty lubricating matter, adapted to work through the interstices of the fibrous band by the stropping action, to preserve the stropping-surface in a lubricated condition, substantially as herein shown and described.

2. A razor-strop formed of a stropping-band of canvas, sustained on an internal or underlying band of lead, substantially as herein shown and described.

3. A razor-strop formed of an outer or overlying layer of a permeable and fibrous stropping material, an internal strip of flexible metal, and a layer of pasty lubricating material intervening between the metal and the stropping fabric, substantially as herein set forth.

ALFRED V. BROKHAHNE.

Witnesses:
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