

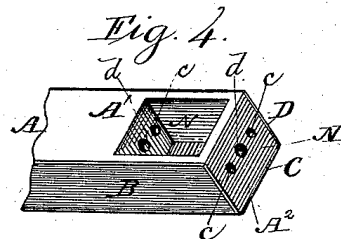
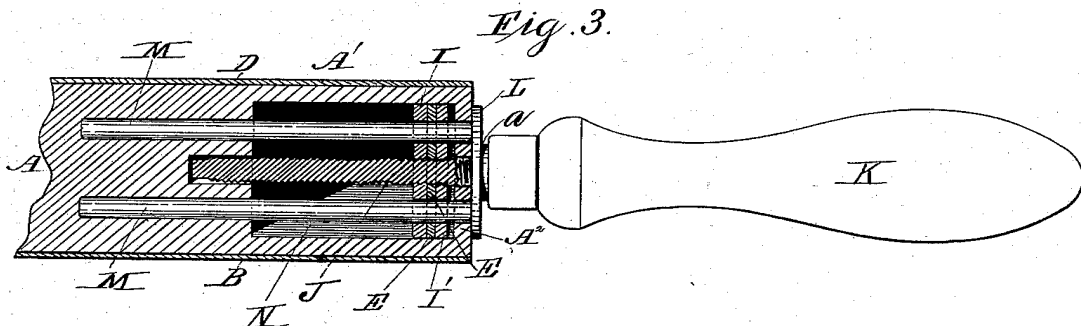
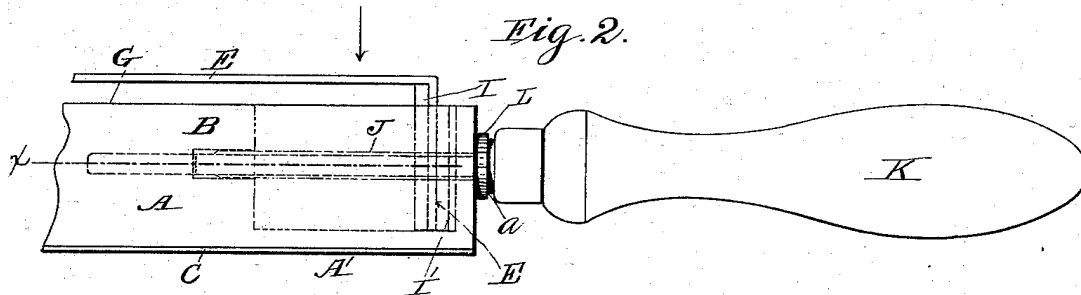
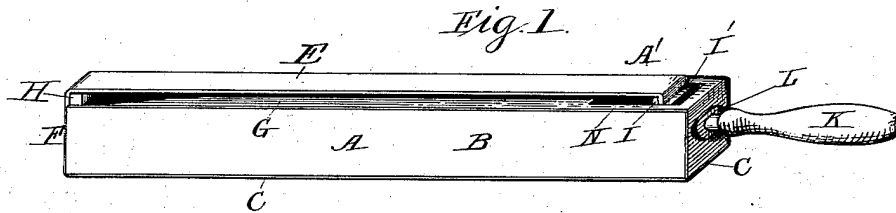
(No Model.)

J. R. TORREY.

RAZOR STROP.

No. 267,951.

Patented Nov. 21, 1882.



Witnesses;
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JOSEPH R. TORREY, OF WORCESTER, MASSACHUSETTS.

RAZOR-STROP.

SPECIFICATION forming part of Letters Patent No. 267,951, dated November 21, 1882.

Application filed April 20, 1882. (No model.)

To all whom it may concern :

Be it known that I, JOSEPH R. TORREY, of the city and county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Razor-Strops; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 represents a perspective view of a razor-strop embracing my aforesaid improvements. Fig. 2 represents, upon an enlarged scale, a side view of so much of the strop shown in Fig. 1 as is necessary to illustrate my invention. Fig. 3 represents, upon the same enlarged scale as Fig. 2, a vertical longitudinal section on line *x* of said Fig. 2, looking down, as shown by the arrow in same figure. Fig. 4 represents, upon a smaller scale than Figs. 2 and 3, a perspective view of a part of the strop, which will be hereinafter more fully described.

The nature of my invention consists in forming the end of the central part or body of the strop next to the handle with a recessed chamber or box with an opening only on one side, and in the combination of the same with the other old parts of the strop.

It also consists in the combination of double nuts upon the screw-arbor of the strop with the elastic belt-strap of said strop for holding the end of the strap in the tightening device, as will be hereinafter more fully described.

To enable those skilled in the art to which my invention belongs to make and use the same, I will proceed to describe it more in detail.

In the drawings, A represents the central supporting part or body of the strop, which is provided upon three sides with hard honing and stropping surfaces B, C, and D. Said surfaces, which may be covered with any suitable sharpening materials for honing or stropping a razor, are graduated from a coarse honing-surface to a fine stropping-surface, so that by applying a razor in the usual way to each succeeding surface a fine edge is produced. A still finer edge may be obtained upon the razor by means of an elastic stropping-belt, E, arranged on the other (fourth) side of the strop. The belt E is fastened to the end F of the strop at one end, being raised above the surface G by means of a block or raised part, H, at said

end F. The other end of belt E is fastened to a central screw shaft or arbor, J, by passing said arbor through the belt, and is held fast, in a very secure and perfect manner, between two nuts, I and I', which are fitted over said screw-arbor, J. (See Fig. 3 of the drawings.) Both nuts I I' (which, taken together, constitute a double nut when in use) have threads cut alike upon the same, so that when once adjusted against each side of the end of the belt-strap E they remain in that position relative to each other as they are moved forward or back by turning handle K, as hereinafter described. The belt, after having been fastened as aforesaid, is drawn taut, as shown in Figs. 1 and 2 of the drawings, by turning handle K so as to draw the nuts toward said handle, the handle having a resisting-bearing against a stationary plate, L, which is fastened or secured upon the outer ends of two stationary holding-rods, M M, which are driven into the end of the strop, as is represented in Fig. 3. The plate L also has a bearing against the end of the strop, as is fully shown in the drawings.

If preferred, instead of using a plate L and rods M M, they may be dispensed with and the resistance of the handle, in drawing forward the belt E, produced by the end *a* of said handle bearing directly against the end of the strop or a thin plate secured to the same. In this case the inner end of arbor J would be held in a suitable bearing secured to the strop, so as to hold the handle K (in which its other end is rigidly secured) in a firm position when the nuts are turned back and the belt E slack.

Plate L is provided with a suitable opening for the passage of arbor J and nuts I I', with openings for the passage of rods M M, and with threaded openings for arbor J, so that they will be moved back and forth by turning handle K to tighten or loosen the belt E, as before described.

Instead of a nut, I', being used upon the opposite side of belt E from nut I to hold said belt in place, as described, said nut I' may be dispensed with, if preferred, and rivets employed for holding said parts together.

The principal feature of my invention consists in forming the box or chamber N in the end A' of the strop. This may be done by cutting away the body of the strop at that point and securing a suitable plate to the end

to form the end section of the box, or by leaving a section of wood, A², at the end, as shown in the drawings, and securing a plate to the outside, (the wood being cross-grained and not sufficient to resist the pressure of the end of the handle without this plate.) Then, again, a detachable box might be fastened to the end of an ordinary square strop to produce the same result. The object of this box part N is to form a close covering or case for the belt-tightening device, and also to afford a greater extent of hard stropping and honing surfaces upon three sides than it would otherwise be possible to obtain upon a razor-strop having an elastic stropping-belt and tightening device combined with the same. By thus extending the stropping and honing surfaces over the tightening device the body of the strop may be correspondingly shortened, and yet obtain the same amount of sharpening-surface, thereby producing a much lighter strop than if it were made solid. The end of the body of the strop A and end A² of box N, as will be seen by Figs. 3 and 4, are provided with openings *c c* and *d* for the rods M and screw-arbor J.

I have ascertained by actual practice that a

razor sharpened upon three hard honing and stropping surfaces, and then upon an elastic stropping-belt properly graded from a coarse honing-surface to a fine leather surface produces a very sharp and fine cutting-edge.

I am aware that the use of an elastic belt-strap and device for tightening the same upon a body provided with hard honing and stropping surfaces is not new, and therefore make no claim, broadly, to the same.

What I do claim as new, and desire to secure by Letters Patent, is—

1. The combination, in a razor-strop, of a box, N, with the body of the strop A having three hard honing and stropping surfaces, B C D, and raised part H, the elastic belt-strap E and its tightening device, consisting of the screw-arbor J, rods M M, nuts I I', plate L, and handle K, substantially as shown and described, for the purposes stated.

2. The combination of the screw-arbor J and elastic belt-strap E, with double holding-nut I I', substantially as shown and described.

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