(No Model.)

A. McDONALD.

RAZOR STROP.

No. 320,948. Patented June 30, 1885.

Fig. 1.

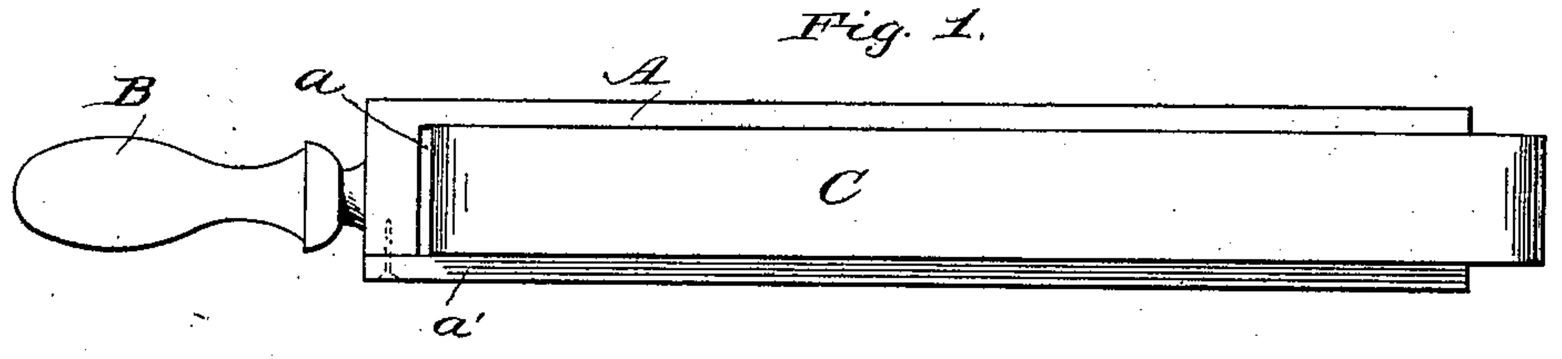


Fig. 2.

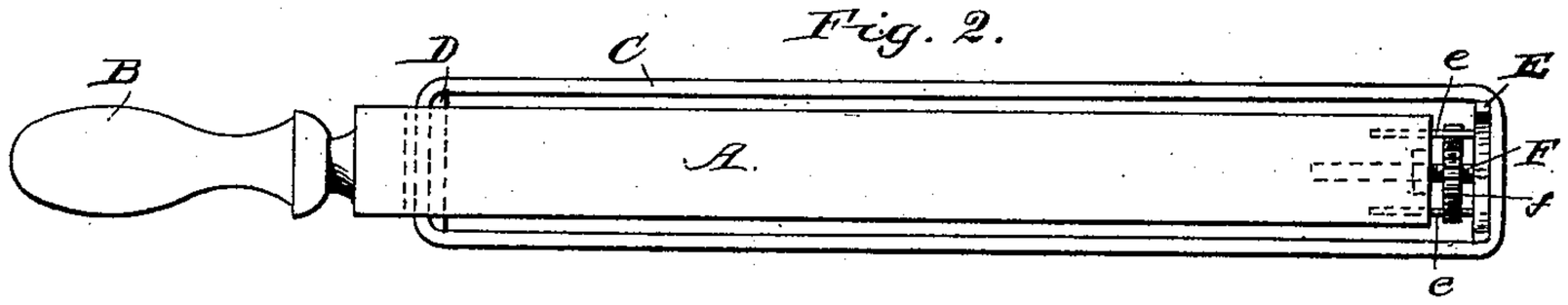


Fig. 3.

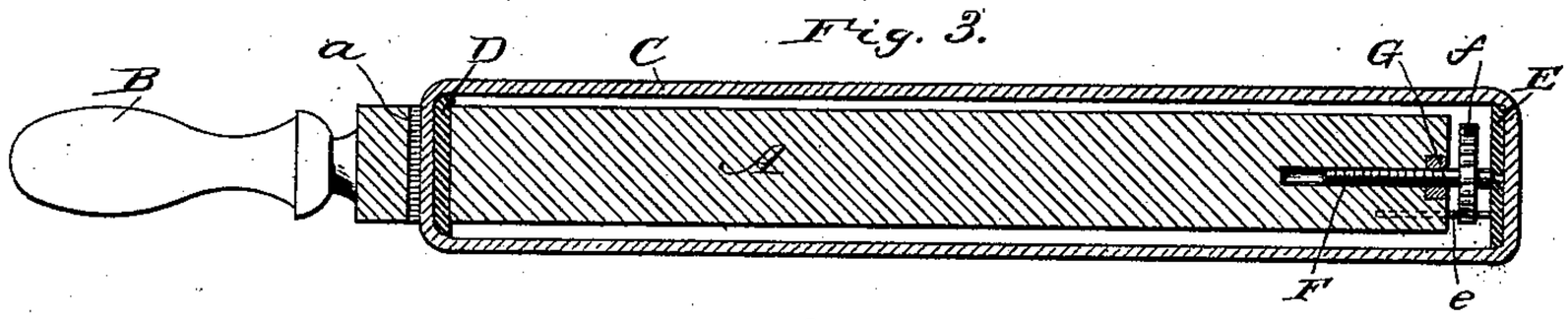


Fig. 4.

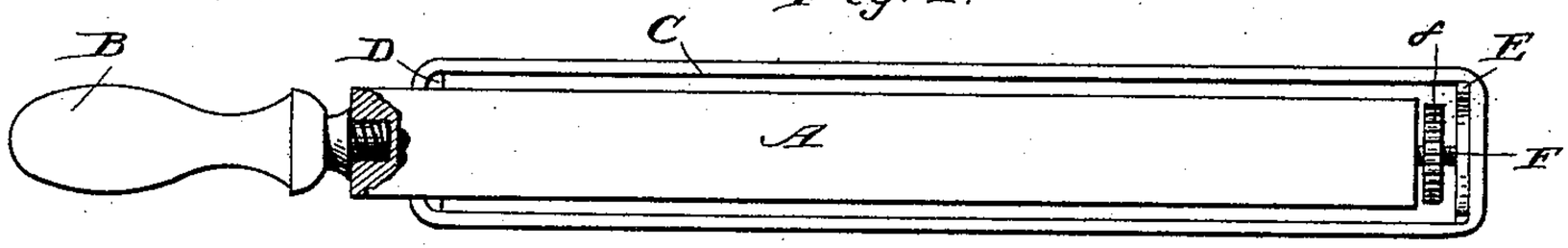


Fig. 5.

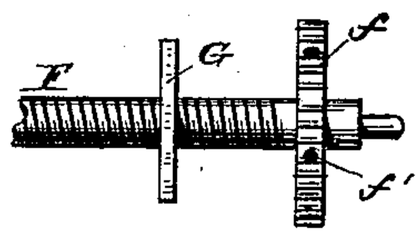
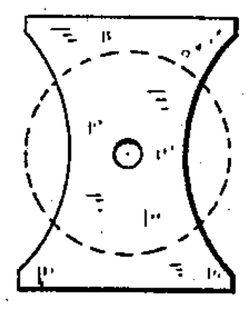


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALEXANDER McDONALD, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO JOSEPH R. TORREY, OF SAME PLACE.

RAZOR-STROP.

SPECIFICATION forming part of Letters Patent No. 320,948, dated June 30, 1885.

Application filed August 20, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER McDONALD, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Razor-Strops, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an improvement on the form of a razor-strop shown by the patent of John A. Wilson, No. 288,389, dated November 13, 1883, one object of my invention being to obviate the danger of damaging the edge of the razor on the iron head of the adjusting-screw for the stropping-belt shown by said patent, should the razor accidentally slip over the end of the strop when the latter is being used. This object is accomplished by arranging the adjusting-screw entirely inside of the stropping-belt. As this arrangement of the adjusting-screw obviates the necessity of piercing the stropping-belt for the passage of the screw, as heretofore, I prefer to connect the handle of the strop to the rigid body thereof in such a manner that said handle need not pass through the stropping-belt, as in the strops having endless stropping-belts now in use. This arrangement of the handle and of the adjusting-screw, above referred to, admits of the use of an unmutilated or unpierced endless stropping-belt, so that when one portion thereof has become worn by use the position of the belt on the strop may be changed to bring another portion thereof into position for use.

In the accompanying drawings, Figures 1 and 2 are different views in elevation of a razor-strop embodying my invention. Fig. 3 is a sectional view of the same. Fig. 4 is an elevation, similar to Fig. 2, of a slightly-modified form of my invention. Figs. 5 and 6 are detail views of the adjusting-screw and tightening-plate, respectively, on a larger scale than the other figures.

A indicates the rigid wooden body of the strop, and B the handle thereof, said handle being formed integral with said body, as shown in Figs. 1, 2, and 3, or made separate and fastened thereto, as in Fig. 4, the former construction being, however, deemed preferable. The body A is provided near its handle end with a mortise, *a*.

C is an endless stropping-belt, which passes through the mortise *a*, and is held clear of the body A by the bridge-piece D near the handle end of the strop, and by the tightening-plate E at the opposite end. The endless stropping-belt C may be of a single endless piece of woven textile fabric, or of leather or other suitable material, with the ends properly joined or spliced together; and to permit the said belt to be inserted in the mortise *a*, one side, as *a'*, of the body A may be formed separate from said body, and after the belt has been placed in position may be secured to the body by screws, nails, or glue; or, if said body A be formed of a single piece of wood, the ends of the belt may be joined after the belt has been inserted in the mortise.

The tightening-plate E may be steadied and prevented from rotating by rods or pins *e*, passing loosely into the body A; or said rods or pins may be omitted, as in Fig. 4, in which case the said plate will be held in position only by its adjusting-screw F and the belt.

The screw F is arranged inside of the tightening-plate E, and does not, therefore, pass through the belt C, said screw being provided with a thumb-nut or milled head, *f*, by which it may be turned, and said head may be provided with holes *f'*, in which a small rod may be inserted to turn the screw. The plate E is preferably recessed on its sides, as shown in Fig. 6, to render the milled head, *f* more accessible, the position of said head being indicated in dotted lines in said figure. G is a nut through which the screw F passes into the body A, said nut being set in or attached to one end of said body.

From the foregoing it will be obvious that as the adjusting-screw and its head or disk are arranged entirely inside of the stropping-belt it will be impossible for the razor, when the strop is in use, to come into contact accidentally with said screw or its head, and a possible objection to the strop shown by the patent hereinbefore referred to is thus obviated. It will also be seen that the construction and arrangements of the parts above described per-

mit of the use of an unpierced or unmutilated belt, which is unattached to the body-block A or to the tightening-plate, as neither the handle nor the adjusting-screw passes through the belt; and thus when one portion of the belt has become worn by use its position on the body may be changed to bring another portion into use.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. In a razor-strop, the combination, with a rigid body, of an endless unpierced stropping-belt, substantially as set forth.

2. In a razor-strop, the combination of a rigid body, a stropping-belt, a tightening-plate for said belt, and an adjusting-screw for said plate arranged wholly inside of the said belt, substantially as set forth.

3. In a razor-strop, the combination of a rigid body having a handle and a mortise or opening near its handle end, an endless stropping-belt, a tightening-plate for said belt, and an adjusting-screw for said plate arranged at the end of said body opposite to the said handle and wholly inside of said belt, substantially as set forth.

4. In a razor-strop, the combination of a rigid body having a handle and a mortise or opening near its handle end, and a side formed of a separate piece, an endless stropping-belt, a tightening-plate for said belt, and an adjusting-screw for said plate arranged at the end of said body opposite to said handle and wholly inside of said belt, substantially as set forth.

5. In a razor-strop, the combination, with the rigid body-block, the endless stropping-belt, and the tightening-plate for the latter, of an adjusting-screw abutting at one end against said plate, and a threaded nut through which the other end of said screw passes, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALEXANDER McDONALD.

Witnesses:
CHARLES L. REDDING,
D. A. HAWKINS.