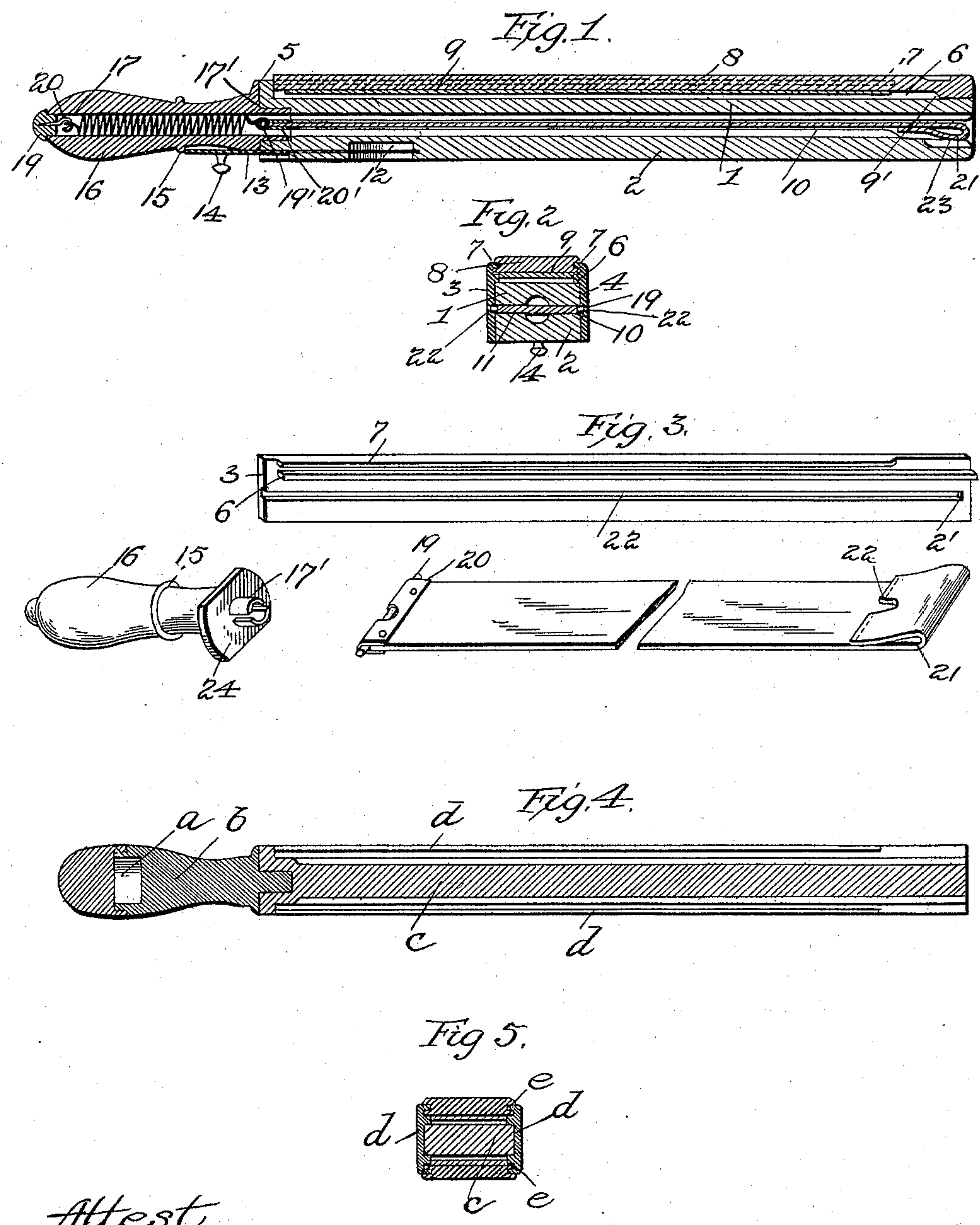


(No Model)

F. G. FARNHAM.
RAZOR STROP.

No. 586,021.

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UNITED STATES PATENT OFFICE.

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RAZOR-STROP.

SPECIFICATION forming part of Letters Patent No. 586,021, dated July 6, 1897.

Application filed July 31, 1896. Serial No. 601,230. (No model.)

To all whom it may concern:

Be it known that I, FRANK G. FARNHAM, a citizen of the United States, residing at White Mills, in the county of Wayne and State of Pennsylvania, 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.

My invention relates to a combined stropping and honing device for razors and the like.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal sectional view. Fig. 2 is a cross-section; Fig. 3, a distorted perspective view of several details, and Figs. 4 and 5 views of modified forms.

The casing consists of the two side pieces 3 4, the bottom piece 2, and the intermediate piece 1. The intermediate piece 1 has a plain upper surface, ending in an upwardly-extending flange 5. The upper inner faces of the side pieces are each provided with a flange 6, bearing upon the upper face of said intermediate piece, these flanges abutting the end flange 5. The upper edge of each side piece is provided with an inwardly-extending flange 7, corresponding to the flanges 6, and the flanges 7 are also made to abut the flange 5. The hone 9 is secured to the upper face of the slide 8, being preferably raised above the surface thereof and of slightly less length and width than the same. The sides of the slide are grooved to fit the flanges 7, upon which said slide is guided. The slide is removable and reversible and the honing-surface is turned inwardly to protect it from injury when out of use. The ends of the flanges 7 are cut away near their outer ends to permit of the ready introduction of the slide.

The honing-surface, when turned in, is held a slight distance above the top surface of the piece 1 to prevent the abrasion thereof, as it would be likely to do should it be permitted to rub against the surface of said piece. The rear end of the slide has an enlargement 9' thereon, which projects downwardly and is adapted to close the space between the upper surface of the piece 1 and the honing-surface

when the slide is in place, thus making the casing containing the hone perfectly dust-proof. A gripping-nick is cut in the upper face of the slide to permit the easy removal thereof. The piece 2 is located a slight distance below the piece 1, leaving a narrow slot 10 between the opposing faces of the same, in which is guided the strop 11, about to be described.

In the bottom of the piece 2 near the closed end of the casing a round recess 12 is cut, forming a pocket in which is placed the honing-paste. This pocket is covered by a metal slide 13, guided in slits leading from said pocket formed in the piece 2. The slide has a knob 14 secured thereto for shifting the same, the outward movement thereof being limited by a bead 15, formed on the periphery of a handle 16, secured to the casing.

The handle 16 has a central opening 17 extending longitudinally therethrough and through a tenon 17', projecting from the end thereof. This tenon fits in a recess formed in the opposing faces of the pieces 1 and 2, to which it is glued. The sides of the tenon are slotted to correspond to the slot 10. A semicylindrical recess is cut centrally in each of the opposing faces of the pieces 1 2 to form a continuation of the opening 17. A plug 19, fitted in this opening in the end of the handle, has an eye 20 secured therein which engages the end loop of a coiled spring confined in said opening, the opposite end of which is secured around the central part of a cross-rod 19', fixed to the strop 11 by a suitable clip or plate 20'. This spring in its normal position holds the strop within the casing. The end of the strop is turned back and secured to the body of the same to form the loop 21, having a central U-shaped notch 22 cut therein, which is adapted, when the strop is withdrawn from the casing against the tension of said spring and laid flat against the bottom of the piece 2 to be hooked over the knob 14 to hold said strop in operative position. This strop may be made of greater length than the casing, and in this case the end thereof projecting outside the casing may, when the strop is not in use, be turned back on the body of the strop within the end of

the casing, thus providing a longer strop with the same length of casing, the knob 14 being arranged nearer to or farther from the forward end of the slide 13 to allow for the difference in length of said strop.

To prevent the complete withdrawal of the strop, the rod 19 is extended a short distance on each side of the strop 11 and enters and slides in grooves 22, cut in each of the side pieces 3 4, said grooves forming side extensions of the slot 10. The grooves 22 end abruptly near the forward ends of the side pieces, leaving shoulders 2', against which said extended ends of the rod 19 strike when the limit of the movement of said strop is reached.

The end of the piece 2 is cut away, as shown at 23, to allow the looped end of the strop to be readily grasped. A flange 24 on the handle surrounds the tenon 17', this flange having a flat face, which is placed against the ends of the pieces 1 2 and 3 4 to close the end of the slot 10 and give the casing a pleasing and finished appearance.

A modification of the construction above described is shown in Figs. 4 and 5. As herein shown, the paste-pocket *a* is located in the handle *b* and closed by a screw-cap forming the end of said handle. An intermediate piece *c* extends from the handle *b*, the upper and lower faces of which are correspondingly recessed the entire length thereof. Side pieces *d d* are secured to this intermediate piece *c*, having inwardly-extending ribs *e* along each longitudinal edge and flanges bearing on the upper and lower faces of the said piece. The honing-surface and the strop are each carried by a reversible slide, the side edges of which are grooved for the reception of the ribs *e*, on which said slides are held and guided.

I claim—

1. In a razor-strop, a handle, side walls forming part of a casing, a removable slide fitting a recess between said side walls, said slide being reversible within the recess to expose or conceal an operating-surface, substantially as described.

2. In combination, the casing and the strop normally held within a recess therein and arranged to be drawn out and held upon the

back of the casing when in use, substantially as described.

3. In combination, the casing, the strop within said casing, the spring for holding said strop yieldingly therein, said strop being adapted to be drawn out and placed upon the bottom side of the casing, and means for holding it in position, substantially as described.

4. In combination, the casing, the reversible slide carried by said casing and having a honing-surface and the receptacle for the paste in said casing, substantially as described.

5. In combination, the casing having a central longitudinal partition, the slide reversibly carried on one side and having a honing-surface, the handle secured within one end of the casing, the strop held within the other side of said casing under spring tension and adapted to be drawn out and folded back upon the outer face of the casing, and means for securing the free end of the strop adjacent to the handle, substantially as described.

6. In combination, the casing having longitudinal grooves therein, the strop under spring tension, and the projections carried thereby adapted to slide in said grooves and to abut the end walls thereof to limit the movement of said strop, substantially as described.

7. In combination, the casing, the strop under spring tension, and the means slidable with said strop independent of said spring and located within said casing for preventing the complete withdrawal, substantially as described.

8. In combination, the intermediate and bottom pieces having a slot between the faces thereof, the handle having a tenon fitted to said pieces, said handle having a longitudinal opening therein, a spring held within said opening and a strop within said slot carried by said spring.

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

FRANK G. FARNHAM.

Witnesses:

E. C. MUMFORD,
ROBT. A. SMITH.