Mar. 27, 1923. 1,449,824

W. F. LENT

RAZOR STROPPING DEVICE

Filed Aug. 8, 1921

Fig. 1.

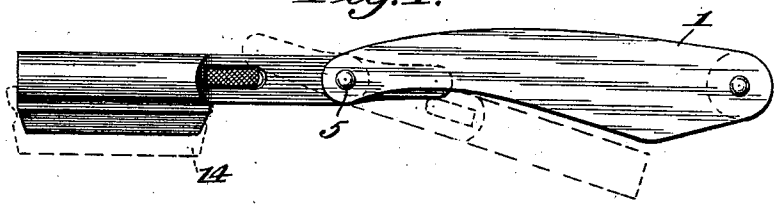


Fig. 2.



Fig. 3.

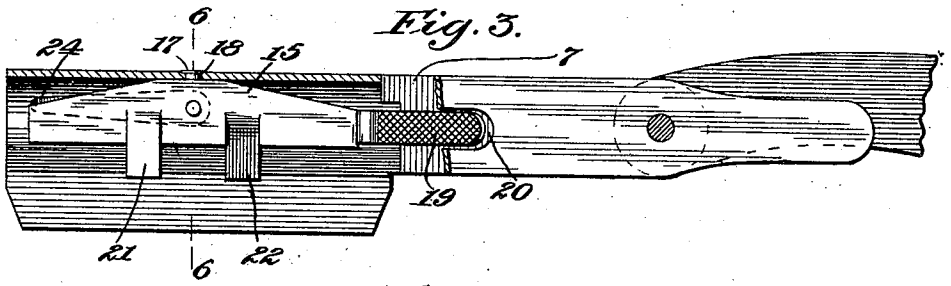


Fig. 4

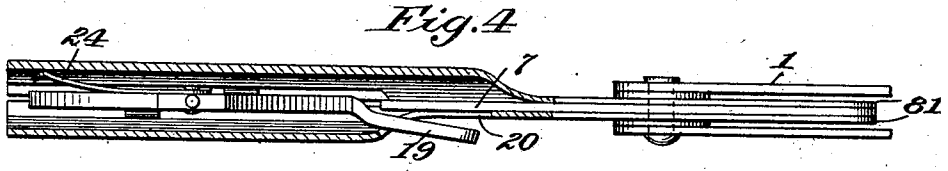


Fig. 5.

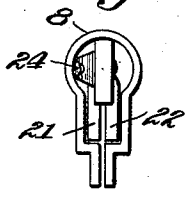
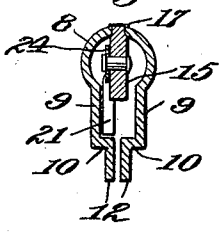


Fig. 6.



Inventor:
Wilmar F. Lent,

by C. A. Mason, Atty.

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UNITED STATES PATENT OFFICE.

WILMAR F. LENT, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE GREIST MANUFACTURING COMPANY, OF NEW HAVEN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

RAZOR-STROPPING DEVICE.

Application filed August 8, 1921. Serial No. 490,546.

To all whom it may concern:

Be it known that I, WILMAR F. LENT, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Razor-Stropping Devices, of which the following is a full, clear, and exact description.

This invention relates to razor stropping device and in particular to such devices as are adapted for holding the blades of safety razors while they are being honed or stropped.

An important feature of the invention comprises a construction in which the holder is formed of a casing of spring metal provided with jaws for retaining the blade, the normal tendency of said jaws being to close upon and grip the blade, together with a simple releasing device which is adapted to spread the jaws and free the blade.

Other features comprise important details of construction and combination of parts, which will be more fully hereinafter described, and the novel elements thereof pointed out in the appended claims.

In the accompanying drawings:

Figure 1 represents in side elevation, a device embodying the present invention;

Figure 2 is a plan view;

Figure 3 is an enlarged view in longitudinal section;

Figure 4 is a longitudinal sectional view at right angles to Figure 3;

Figure 5 is an end elevation; and

Figure 6 is a transverse section on the line 6—6, Figure 3.

A handle 1, constructed substantially like the handle of an old style razor, and having two parallel sides, *a*, *b*, and end spacing washer 3 and rivet 4, is connected at its forward end by a rivet 5 with the end shank 7 of the blade holder 8. Friction washers, 6, 6, are interposed between the sides of the members *a*, *b*, and the shank of the holder 8. Said shank lies between parallel, rearwardly extending portions 81, 81, the body portion of the holder being formed by bending the metal over upon itself to produce a rounded body portion, having two parallel downwardly extending portions 9, with offset shoulders 10, which in turn extend downwardly to form two parallel blade grasping jaws 12. The holder is formed of spring material, such as tempered steel or the like, and its resiliency is such that the jaws 12 are maintained normally in such close relationship that the space between them is less than the thickness of the razor blade 14, so that when the latter is inserted between the jaws it will be firmly grasped thereby.

Mounted within the curved body portion of the holder 8 is a jaw-releasing lever 15, which has a pivot stud 17 extending through an aperture located about centrally of the top portion of the curved back of the holder 8, and having an up-set portion 18 which lies upon the outer surface of the holder and serves to secure the lever 15 to said holder. The lever 15 has a thumb piece 19 which extends rearwardly from the body portion of the lever and through a slot 20 in the side wall of the holder, the outer face of the handle being knurled or roughened to prevent the thumb from slipping thereon. The body portion of the lever 15 has two downwardly extending lugs 21, 22, one being offset laterally so as to lie closely adjacent to one side wall 9 of the holder, while the other is offset to the other side of the median line of lever 15, and so as to lie closely adjacent the other wall 9 of the holder, as best seen in Figure 5.

The lever 15 being centrally pivoted within the holder 8, and the lugs 21, 22, extending upon opposite sides laterally of the lever, and being disposed moreover upon opposite sides longitudinally of the pivot 17, pressure of the thumb upon the handle 19 will rotate the lever upon its pivot, causing the lugs 21, 22, to engage the walls 9, 9, of the holder and spread said holder and the jaws 12, 12, apart, thus releasing a blade, or permitting the insertion of a blade. Release of the pressure upon the handle 19 will permit the holder to assume its normal position with the jaws sufficiently close together to grasp the blade, whereby the latter may be stropped or honed.

A leaf spring 24 is secured at one end to the side of the lever 15 and extends outwardly and laterally and bears upon the inner wall of the holder 8. The function of this spring is to take up any slack or lost motion of the lever in the holder and prevent the lever from shaking loose in the blade holding member.

I claim:

1. A razor stropping device comprising in combination a holder provided with re-

silient jaws for grasping a blade, a lever housed within and extending longitudinally of the holder and having means for engaging opposite walls of the holder, said lever pivoted to the holder intermediate its length and means for operating the lever to spread the holder.

2. A razor stropping device comprising a holder of resilient material having jaws arranged for normally grasping a blade, a lever pivotally mounted within the holder and having a rearwardly extending operating handle and means carried by and extending from opposite sides of the lever for engaging opposite walls of the holder to effect a spreading of the jaws and a release of the blade.

3. A device of the character described comprising a holder of resilient material having blade grasping jaws, a lever pivotally mounted within said holder and having downwardly extending, laterally offset members extending from its opposite sides for engaging the walls of the holder, and means whereby the lever may be manipulated to effect a spreading of the jaws.

4. A device of the class described, comprising a holder of resilient material having a curved back portion, downwardly extending side walls, and off-set blade grasping jaws, a lever pivoted intermediate its length within the curved portion of the holder and having downwardly extending, laterally off-set lugs for engaging the walls of the holder, and means whereby the lever may be rotated on its pivot to cause said lugs to spread the walls of the holder and release the blade clasped thereby.

5. A device of the class described, comprising in combination, a blade holder of resilient material having downwardly extending jaws, a lever pivotally mounted within said holder and provided with projections for engaging the walls of the holder to spread said jaws, and a spring interposed between said lever and the interior of said holder to prevent looseness of the parts.

In testimony whereof I have hereunto set my hand this 27th day of July, A. D. 1921.

WILMAR F. LENT.