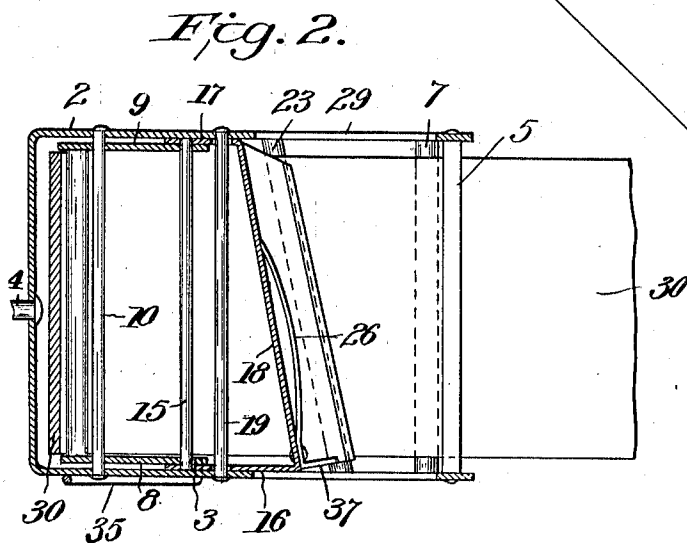
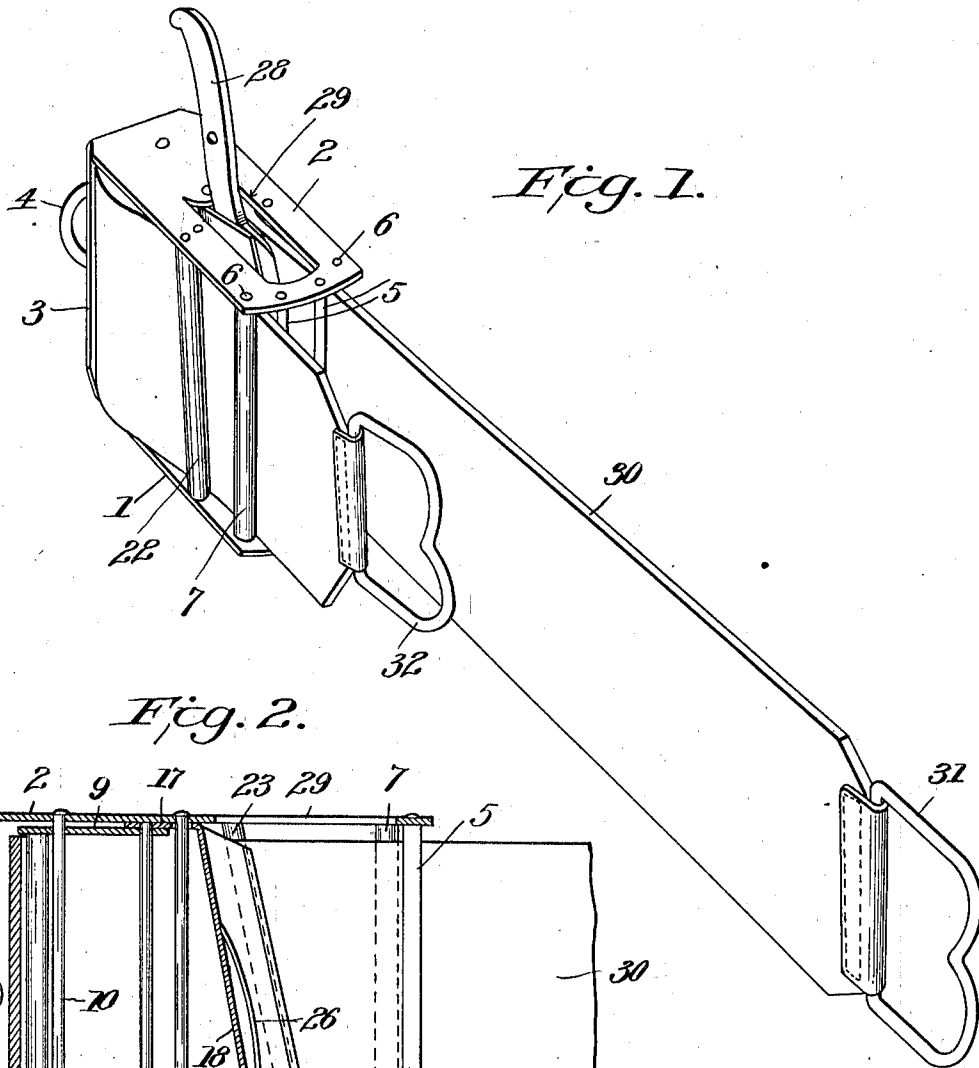


C. E. GREENWOOD.
 RAZOR STROPPING DEVICE.
 APPLICATION FILED MAY 20, 1911.

1,059,294.

Patented Apr. 15, 1913.

2 SHEETS—SHEET 1.



WITNESSES

Ed. Walker.
 J. T. Walker.

INVENTOR

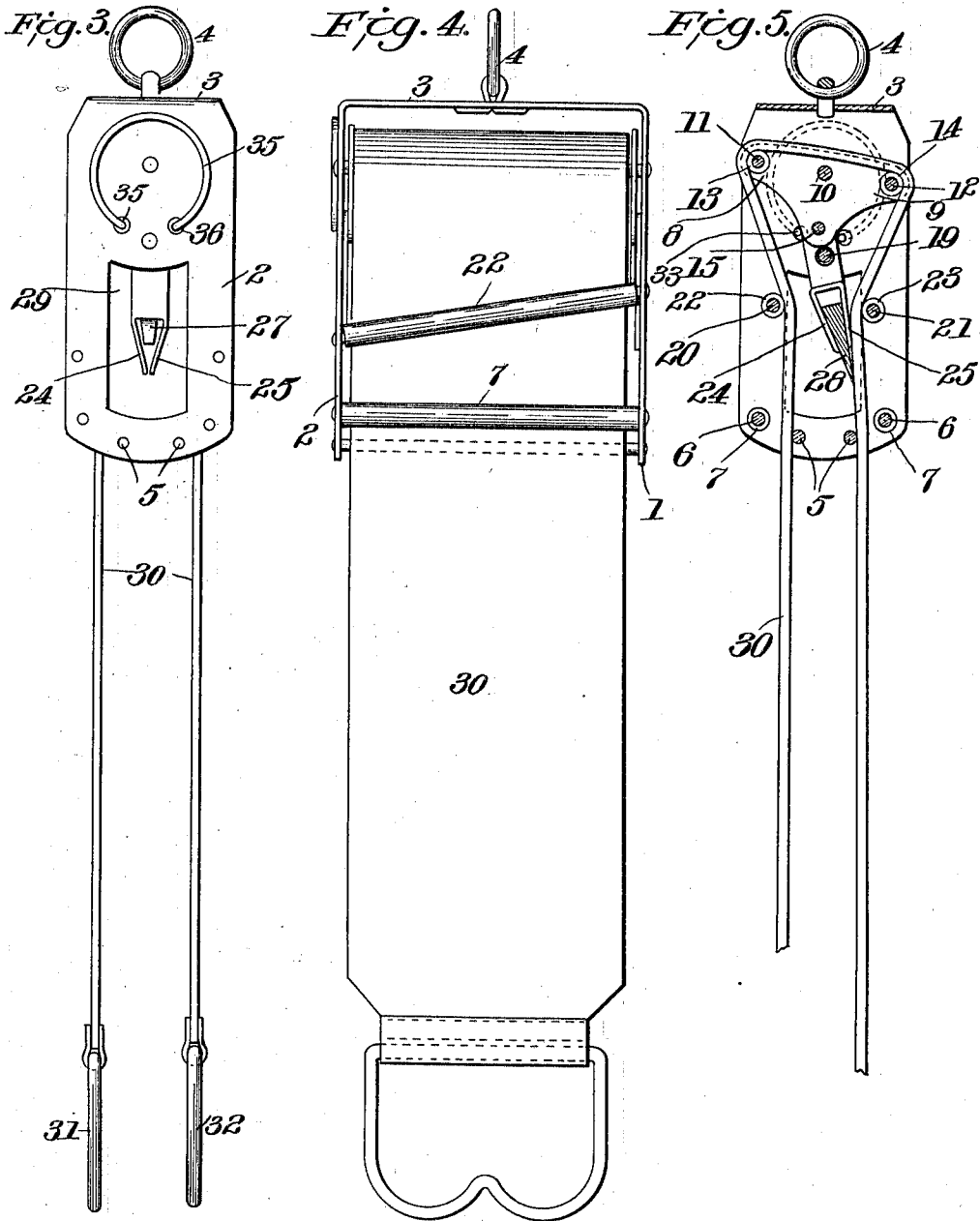
C. E. Greenwood.
 By *W. H. Howard* Attorney

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2 SHEETS—SHEET 2.



WITNESSES

C. M. Walker,
J. T. Walker.

INVENTOR

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UNITED STATES PATENT OFFICE.

CHARLEY E. GREENWOOD, OF MCKINNEY, TEXAS.

RAZOR-STROPPING DEVICE.

1,059,294.

Specification of Letters Patent.

Patented Apr. 15, 1913.

Application filed May 20, 1911. Serial No. 628,539.

To all whom it may concern:

Be it known that I, CHARLEY E. GREENWOOD, citizen of the United States, residing at McKinney, in the county of Collin and State of Texas, have invented certain new and useful Improvements in Razor-Stropping Devices, of which the following is a specification.

This invention relates to razor stropping devices.

One object is to provide a device embodying such characteristics that the razor blade may be held upon an incline to insure an efficient sharpening of the edge of the blade.

Another object resides in the provision of a razor sharpening device embodying comparatively few parts with the various parts constructed and arranged for easy and quick coöperation and with one movable part cushioned at each limit of its movement to provide for an effective engagement of the razor blade with the strop.

With the above and other objects in view, the present invention consists in the construction and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings and particularly pointed out in the appended claim, it being understood that changes may be made in the form, proportion, size and minor details without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:—Figure 1 is a perspective view of the invention. Fig. 2 is a longitudinal sectional view. Fig. 3 is a side view. Fig. 4 is a face view. Fig. 5 is a cross sectional view.

Referring now more particularly to the accompanying drawings, there is shown an inclosing casing for the operative parts of my invention which embodies a U-shaped member including the side pieces 1 and 2 and the bight portion 3 to which latter there is secured in any suitable manner a ring or other suitable device 4 whereby the casing may be secured to a hook (not shown) for operation of the device to sharpen the razor blade. The outer ends of the side pieces 1 and 2 are connected by the pair of rods 5 and also by the outer rods 6 to prevent spreading of the outer ends of the side pieces 1 and 2, there being guide rollers 7 mounted on the outer rods 6 as shown.

Mounted within the casing for swinging movement is a frame consisting of the ends

8 and 9 mounted on the pivot rod 10 which connects the side pieces 1 and 2 of the casing, the end pieces 8 and 9 being connected by the rods 11 and 12 on which are loosely mounted guide rollers 13 and 14 and also connected by a rod 15 to which latter and adjacent the outer faces of the end pieces 8 and 9 are secured the legs 16 and 17 of the blade holder 18, said legs 16 and 17 of the blade holder being mounted to swing on the rod 19 which connects the side pieces 1 and 2 of the casing substantially intermediate the ends of the latter. By virtue of the particular pivotal mountings of said frame and blade holder, the swinging movement of the frame in one direction effects swinging movement of the blade holder in the opposite direction for a purpose presently explained and as will be brought out more in detail hereinafter. The leg 17 of the blade holder 18 is shorter than the leg 16 and it will be noted that the difference in the length of the legs is to provide for an inclined disposition of the blade holder 18 within the casing and that the blade holder instead of being disposed straight across the casing is disposed upon an inclination so as to provide for an efficient sharpening of the blade.

Connecting the side pieces 1 and 2 of the casing and disposed upon an incline substantially parallel with the incline of the lower edge of the blade holder 18 are inclined rods 20 and 21 on which are loosely mounted the inclined guide rollers 22 and 23, respectively.

The blade holder 18 may be of any form desired, but as shown, it includes spring jaws 24 and 25 and has mounted within it and secured in any suitable manner against the inner face of its back a flat or other spring 26 which has one end bent to provide a shoulder 27 to limit the inward movement of the razor blade 28 which latter is positioned in the holder through the opposite end of the latter and through the opening 29 in the side piece 2 of the casing.

The character 30 indicates a leather or other strop having its ends provided with hand or finger rings 31 and 32. To position the strop it may be done in various ways, one way being to insert the strop between the bight portion 3 and the swinging frame and permit the strop to lie adjacent opposite sides of the casing and on the upper rollers 13 and 14 of the swinging frame. The end of the strop having the ring 32 is then directed inwardly of the casing and under the

inclined roller 23 and down between the rollers 7 and the corresponding rod 5. The other end of the strop having the ring 31 is disposed in like manner with respect to the opposite rod 5 and opposite rollers 22 and 7. The device is then in the condition illustrated in the drawings and by engaging the attaching means 4 to a hook (not shown) and pulling on opposite rings 31 and 32 alternately the strop is worked back and forth. In working the strop back and forth and the strop being mounted on the swinging frame the latter is caused to swing in opposite directions on its pivot 10 according to the pull on opposite ends of the strop. This swinging movement of said frame causes swinging movement of the inclined razor blade holder 18 in a direction opposite to the swinging movement of the frame. For instance by pulling outwardly on the ring 32 the frame will be caused to swing to the left which will result in the blade holder being swung to the right, as will be seen in Fig. 5 and causing the blade 28 to be thrown against the inner face of the strop. By then pulling on the ring 31 the frame will swing in the opposite direction and cause an opposite swinging movement of the razor holder to dispose the blade 28 against the inner face of the opposite side of the strop. In this way, the blade may be effectively sharpened to give it a proper shearing edge rather than a straight up and down edge as when the holder is disposed to present the blade straight across the strop.

The swinging movement of the frame is cushioned by means of the lugs 33 and 34 which project through the openings 35 and 36 of the end piece 2 and which are formed by bending the extremities of the spring member 35 secured by soldering or in any suitable manner to the outer face of the end piece 2 of the casing, the lower reduced part of the end piece 9 of the swinging frame be-

ing so disposed as to engage said lugs 33 and 34 alternately according to the swinging movement of the frame and the openings through which said lugs project being of such size as to permit movement of the lugs in the openings and effect an efficient cushioning action against the swinging frame. This cushioning action permits the blade to be pulled in proper tight engagement with the strop without danger of breaking any part of the device.

What is claimed is:—

A razor blade sharpening device comprising a casing, a frame pivotally mounted in the casing, a blade holder including an inclined body portion and a leg at each end of the body portion, the body portion adapted to receive the blade of the razor, one leg of the holder being shorter than the other, a pivot rod passed through the casing and through the free ends of said legs to pivotally mount the holder on an incline in the casing, said legs being also pivotally connected to the pivoted frame so that when the frame swings in one direction on its pivot the holder will swing in the opposite direction, a strop mounted over said frame for movement to swing the latter in opposite directions on its pivot to sharpen the blades, and guide rollers for said strop, a pair of said guide rollers being disposed upon an inclination parallel to the inclined blade holder to hold the entire sharp edge of the inclined blade in engagement with the inner face of the strop when the latter is moved to swing the frame and to sharpen the blade.

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

CHARLEY E. GREENWOOD.

Witnesses:

JOHN R. BROWN,
MINNIE BURRAGE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."