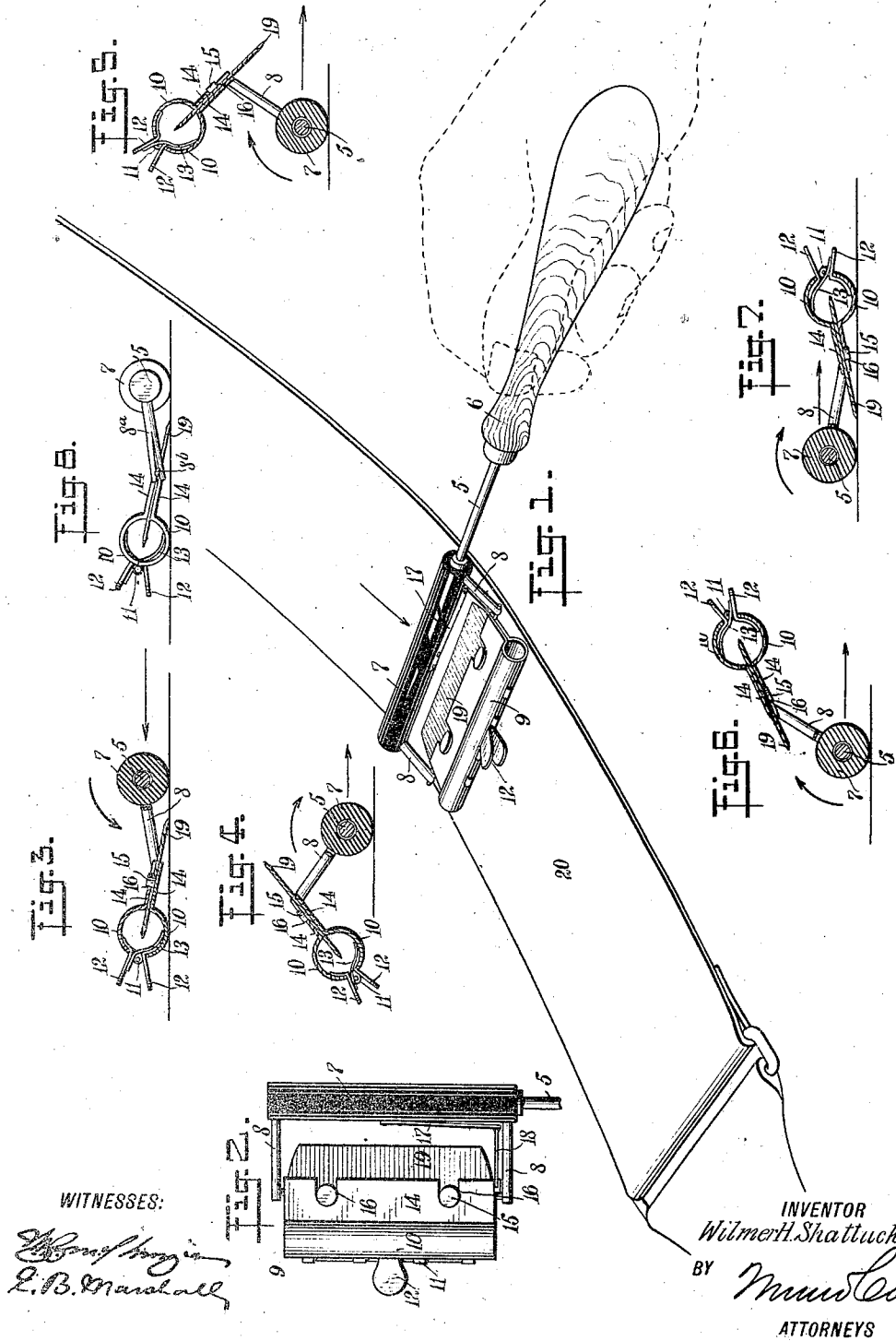


W. H. SHATTUCK.
 RAZOR STROPPING DEVICE.
 APPLICATION FILED JUNE 14, 1910.

975,801.

Patented Nov. 15, 1910.



WITNESSES:
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UNITED STATES PATENT OFFICE.

WILMER HENRY SHATTUCK, OF BRIDGEWATER CORNERS, VERMONT, ASSIGNOR OF ONE-THIRD TO LEONARD SAMUEL BRADLEY, OF WHITE RIVER JUNCTION, VERMONT, AND ONE-THIRD TO HENRY ELLSWORTH VAUGHAN, OF BROOKLYN, NEW YORK.

RAZOR-STROPPING DEVICE.

975,801.

Specification of Letters Patent.

Patented Nov. 15, 1910.

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To all whom it may concern:

Be it known that I, WILMER HENRY SHATTUCK, a citizen of the United States, and a resident of Bridgewater Corners, in the county of Windsor and State of Vermont, have invented a new and Improved Razor-Stropping Device, of which the following is a full, clear, and exact description.

My invention relates to razor stropping devices, and it has for its object to provide one which may be operated on the ordinary strop, the razor blade holder being pivoted to pins secured to a roller which travels on the strop, by which means the razor blade holder is moved to the other side by the roller, when the movement is reversed.

Another object of the invention is to weight the razor blade holder, so that the edge of the razor blade is held upward, and to connect the razor blade holder and the roller by spring means for holding the razor yieldingly, with its edge upwardly disposed.

Still other objects of the invention will appear in the following complete description.

In this specification I will describe the preferred form of my invention, it being understood that the scope of the invention is defined in the appended claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a perspective view showing my device as it is designed to be operated on the razor strop; Fig. 2 is a plan view of the device without the handle; Figs. 3, 4, 5, 6 and 7 are views illustrating the movement of the razor blade holder when the movement of the device is reversed; and Fig. 8 is a side view showing a modification of the invention.

By referring to the drawings, it will be seen that a rod 5 is provided, which is secured to a handle 6, a roller 7 being journaled to rotate on this rod 5. To the roller 7 are secured two radially-disposed pins 8, the razor blade holder 9 being pivoted to these pins. The razor blade holder 9 is composed of two members 10, which are pivoted together at 11; the members 10 having thumb pieces 12 which extend beyond the pivot.

The bodies of the members 10 are preferably curved, as shown in the drawings, and a terminal of a spring member 13 presses against the curved portion of one of the members 10, the other terminal of this spring member pressing against the thumb piece 12 of the other member 10. Each of the members 10 has a flange 14, the spring 13 being provided to draw the members 10 together, with their flanges 14 disposed against each other. One of these flanges 14 has lugs 15, which are normally disposed in recesses 16 in the other flange 14. The razor blade holder is pivoted to the pins 8, as has been described, the pivots being secured to the flange 14 having the lugs 15. A leaf spring 17 is secured, at one of its terminals, to the roller 7, the leaf spring 17 being disposed longitudinally of the roller 7, the other terminal of the leaf spring 17 having secured to it a member 18, the member 18 being pivoted to the flange 14 having the lugs 15.

In using the invention, the thumb pieces 12 are pressed toward each other, which separates the flanges 14 and permits of the introduction of a razor blade 19. These razor blades have orifices, through which the lugs 15 are disposed, so that when the thumb pieces 12 are freed, the spring 13 will press the flanges 14 together with the razor blade 19 therebetween, the lugs 15 being disposed through the orifices in the said razor blade. The device is then held by the handle 6 and is moved to and fro against the strop 20.

As shown in Fig. 3 of the drawings, when the device is moved to the left, with the roller 7 following the razor blade holder 9, the edge of the razor 19 is held against the strop, when the movement is reversed and the device is moved toward the right, the roller 7 rotates on the rod 5, as shown in Figs. 4, 5, 6 and 7 of the drawings. As the roller 7 commences to rotate, the pins 8 are moved upwardly and the razor blade 19 is moved upwardly relatively to the pins, for the rear of the razor blade holder 9 is much heavier than the projecting razor blade. The razor blade is therefore pointed to the right relatively to the pins 8 until the pins 8 pass the perpendicular, when the razor blade holder swings on its pivot and the razor blade is pointed to the left and is held upwardly relatively to the pins, the leaf

spring 17 and the member 18 limiting the swing of the razor blade holder with the razor blade 19.

In the modification shown in Fig. 8 of the drawings, the pins 8^a are split at their outer terminals, the pivots 8^b being flattened and being disposed between the sides of the split portions of the pins 8^a respectively. As the pins are manufactured of resilient material, the pivots are held yieldingly with their flattened surfaces against the inner sides of the split portions of the pins. The pivots are secured to the flange 14 having the lugs 15 and the razor blade holder is therefore held yieldingly with the razor blade having its edge disposed in the direction of the roller.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In a razor stropping device, a rod, a roller mounted for rotating on the rod, pins secured to the roller, a razor blade holder pivoted to the pins, and a spring means for holding the razor blade holder yieldingly relative to the roller.

2. In a razor stropping device, a rod, a roller mounted for rotating on the rod, pins secured to the roller, a razor blade holder pivoted to the pins, a razor blade secured in the holder, the razor blade holder being weighted for holding the edge of the razor

upward, and a spring means connecting the razor blade holder and the roller.

3. In a razor stropping device, a rod, a roller mounted for rotating on the rod, pins secured to the roller, a razor blade holder pivoted to the pins, a leaf spring secured to the roller and disposed longitudinally thereof, and a member connecting the spring and the razor blade holder.

4. In a razor stropping device, a rod, a roller mounted for rotating on the rod, pins secured to the roller, a razor blade holder pivoted to the pins, the razor blade holder having two members, with flanges pivoted together, a spring for pressing the members toward each other, and lugs on one of the flanges, which are normally disposed in openings in the companion flange.

5. In a razor stropping device, a rod, a roller mounted for rotating on the rod, pins secured to the roller, having split resilient terminals, a razor blade holder, and pivots secured to the razor blade holder having flattened surfaces disposed between the split sides of the pins respectively.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILMER HENRY SHATTUCK.

Witnesses:

LEON EUGENE BRADLEY,
HENRY ELSWORTH VAUGHAN.