

E. HUNOLD.
RAZOR STROP.

APPLICATION FILED NOV. 16, 1909.

977,311.

Patented Nov. 29, 1910.

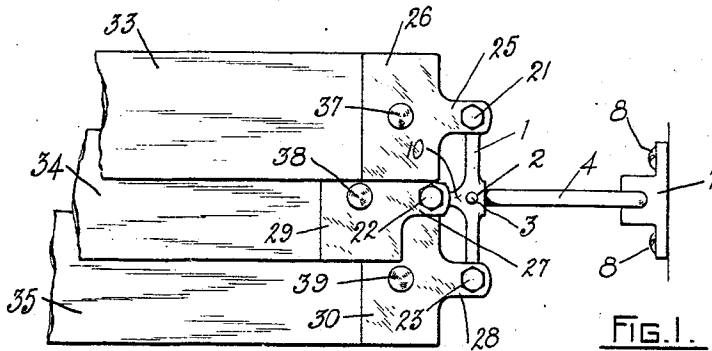


FIG. 1.

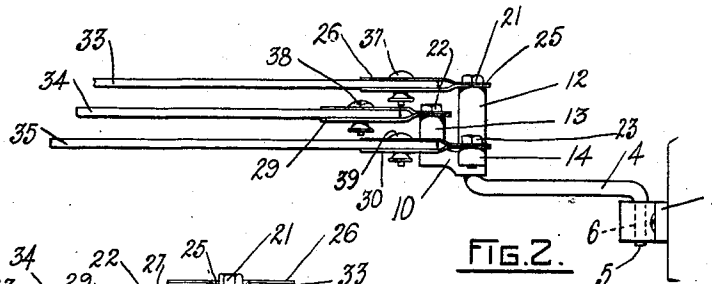


FIG. 2.

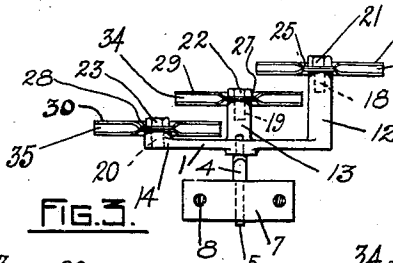


FIG. 3.

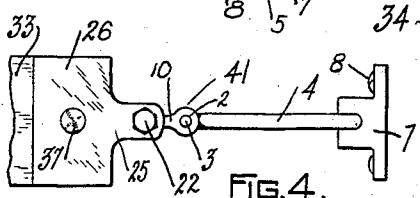


FIG. 4.

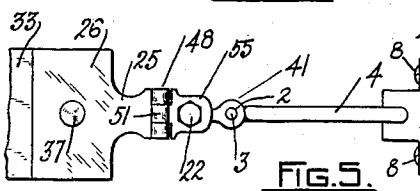


FIG. 5.

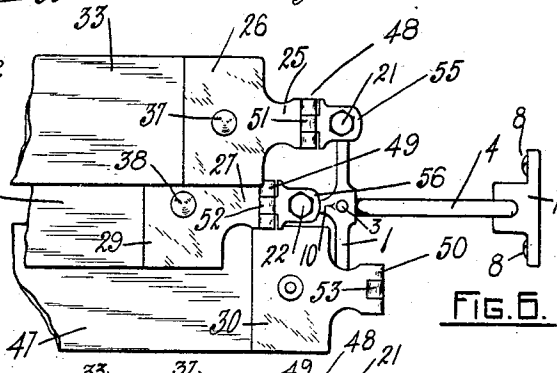


FIG. 6.

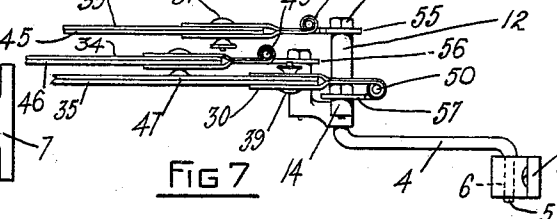


FIG. 7.

WITNESSES.

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RAZOR-STROP.

977,311.

Specification of Letters Patent. Patented Nov. 29, 1910.

Application filed November 16, 1909. Serial No. 528,352.

To all whom it may concern:

Be it known that I, ERNEST HUNOLD, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Razor-Strops, of which the following is a specification.

My invention relates to razor strops and has for its essential objects, in addition to the ends commonly sought in such structures, to render available a plurality of strops, to selectively present or remove a particular strop or strops, to render the strop self alining thus insuring against transverse inclination of the strop and consequent dulling of the razor during use, and to render the device capable of occupying a minimum of space.

Other objects will be hereinafter pointed out in connection with the description.

To the ends above referred to my invention consists in the novel device possessing certain features of construction and relative arrangement of parts embodied in the claims at the end of these specifications.

In the accompanying drawings which form a part of this specification, Figures 1, 2, and 3 are plan, side, and rear end elevations respectively of my novel strop, the bands being shown partially broken away in Figs. 1 and 2, and being omitted in Fig. 3, wherein also the posts are partially broken away. Figs. 4 and 5, plan views of modified forms of the invention, and Figs. 6 and 7 plan and side elevations respectively of another modified form.

In detail the strop comprises a horizontal bar 1 provided with an opening 2 midway its length to loosely receive the upturned end 3 of an arm 4 whose opposite end 5 is downwardly bent to loosely enter an opening 6 in a block 7 fixed by screws 8 or otherwise to a wall or other object. The bar 1 is provided at its central portion with an extension or forward projection 10. Upon the bar are a plurality of posts, in this instance three, 12, 13, and 14, having flat top surfaces. Posts 12 and 14 are upon the ends of the bar; and post 13 upon the extended portion. These posts are of graduated heights, 12 being the highest, and 14 the lowest. The tops of the posts, as shown in Fig. 3, are provided with threaded orifices to receive threaded pivot pins or screws 18, 19, and 20, whose respective heads 21, 22,

and 23 are interspaced from the top faces of their respective posts. The pin 18 passes loosely through central projecting portions 25 of clamping plates 26. The portions 25 rest upon the flat top face of post 12 and bear loosely against the under surface of the head 21 whereby the plates 26, while pivotally movable upon the pin 18, are nevertheless maintained in a horizontal plane. Similar projecting portions 27 and 28 on like clamping plates 29 and 30 respectively are similarly mounted upon the pivot pins 19 and 20 respectively. The clamping plates 26, 29, and 30 embrace the usual flexible strop-strips 33, 34, and 35 respectively, to which they are connected by usual clamp bolts 37, 38 and 39.

It will be noted that when one end strip, such as 35, is grasped by the operator for use the strop-strips 33 and 34 will recede from out of the way by virtue of the movement of the bar 1 upon its axis; also that the insured horizontal position of the clamping plates will prevent transverse inclination of the strips; that the pivotal mountings of all the parts will admit of the entire device folding against the wall, if desired. The arm 4 is as shown preferably unfastened so that the operative parts are readily dismounted.

In Fig. 4 the arms of the bar 4 are removed, as at 41 leaving merely the original arm or extended portion 10 to constitute the pivoted member. This constriction is employed with a single strop-strip.

Sometimes it is convenient to employ six strop-strips instead of three while using only three sets of clamping plates. In such case each clamping set includes two strop-strips, as shown in Fig. 7, the added strop-strips being indicated by the numerals 45, 46, and 47. Each of the strop-strip couplets may be exposed, or the parts rendered reversible without sacrificing the horizontal relation of the clamping plates by the construction shown in Figs. 5, 6, and 7. In the last two figures the portions 25, 27, and 28 of the plates are bent to form hinge sleeves 48, 49, and 50, to engage companion sleeves 51, 52, and 53 upon plates 55, 56, and 57 pivoted upon the posts 12, 13, and 14 as described. In these figures the plates 30 are shown reversed, it being merely necessary in reversing, to elevate the plates 30 and half turn the plate 57. In Fig. 5 the reversible strop is shown embodied in a single element.

What I claim is,—

1. In a razor strop, the combination with a pivoted member and means for supporting the same, of clamping plates for holding
5 strops arranged in series in different horizontal planes, and pivotal means for connecting the plates with the pivoted member.

2. In a razor strop, the combination with a pivoted member, and means for supporting
10 ing the same, of pivotal clamping plates upon the pivoted member constructed to hold a strop, and means upon the pivoted member coöperating with the plates for maintaining the plates in a plane parallel
15 with the plane of the pivoted member.

3. In a razor strop, the combination with a pivoted member, and means for supporting the same, of a post upon the pivoted member, and laterally swinging clamping
20 plates mounted upon the post for holding a razor strop.

4. In a razor strop, the combination with a pivoted member and means for supporting the same, of vertical means on said pivoted
25 member, clamping plates pivoted thereon for holding a razor strop, and means for maintaining said plates in a plane parallel with the plane of the pivoted member.

5. In a razor strop, the combination with
30 a pivoted member, and means for supporting the same, of a plurality of posts upon the pivoted member, clamping plates pivotally mounted in different horizontal planes upon the posts for holding a razor
35 strop.

6. In a razor strop, the combination with a pivoted member and means for supporting the same, of means of graduated heights rising from said member, clamping plates
40 pivotally connected therewith for holding

razor strops and means for maintaining said plates in a plane parallel with the plane of the pivoted member.

7. In a razor strop, the combination with a pivoted member, and means for support-
45 ing the same, of a plurality of posts separated from each other upon the pivoted member and of graduated heights, pivot pins upon the tops of the posts, clamping plates mounted on the pins, and heads upon
50 the pins.

8. In a razor strop, the combination with a pivoted member, and means for supporting the same, of a plurality of posts upon the pivoted member, clamping plates loosely
55 resting in different horizontal planes upon the posts, and means upon the posts for maintaining the plates in a horizontal plane.

9. In a razor strop, the combination with a pivoted member and means for support-
60 ing the same, of means rising from said member and disposed in staggered relation to each other, laterally swinging clamping plates thereon arranged in series in different horizontal planes, and means for main-
65 taining said plates in a plane parallel with the plane of the pivoted member.

10. The combination with a pivoted member, and means for supporting the same, of a horizontal plate pivotally supported by
70 the pivoted member, and clamping plates movably connected with the first-named member.

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

ERNEST HUNOLD.

Witnesses:

HORATIO E. BELLOWS,
WALTER LOUIS FROST.