

L. HIENER.
SAFETY RAZOR.
APPLICATION FILED MAY 29, 1912.

1,057,644.

Patented Apr. 1, 1913.

Fig. 1

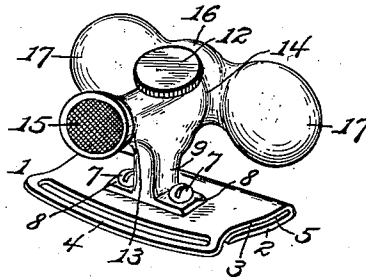


Fig. 2

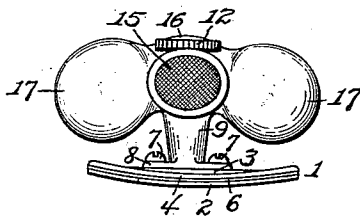


Fig. 3

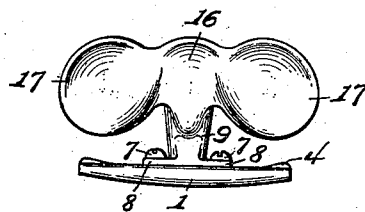


Fig. 5

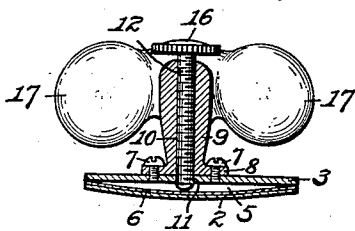
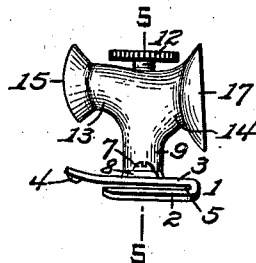


Fig. 4



WITNESSES

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SAFETY-RAZOR.

1,057,644.

Specification of Letters Patent.

Patented Apr. 1, 1913.

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To all whom it may concern:

Be it known that I, LOUIS HIENER, a citizen of the United States of America, and resident of Wheeling, county of Ohio, and State of West Virginia, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

This invention relates broadly to safety razors, and specifically to a supporting member, or handle, for such razors.

An object of the invention is to provide a safety razor embodying a blade holder and a supporting member, or handle, the handle being so formed and having such relation to the blade holder that it must be grasped at a point close to the latter, or close to the load.

A further object is to provide a razor which, in shaving, is directed forward from behind by a push, as distinguished from a pull, and which, consequently, obviates the objectionable hoe-like dragging feature so common to razors of the safety type.

A still further object is to provide a razor which is conveniently and firmly supported in the hand during the shaving operation and which permits the hand to assume a natural unstrained position with a perfect freedom of movement for reaching all of the various facial curves and angles. And a still further object within the contemplation of the invention is to provide a novel, structurally improved and comparatively inexpensive device of the character mentioned having numerous special advantages, hereinafter made apparent, which render it eminently practical for performing its function of shaving.

The invention consists in the features of construction, arrangement of parts and combinations of elements which will hereinafter be fully described, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of the invention; Figs. 2, 3 and 4 are front, rear and end elevations, respectively, of the same; and Fig. 5 is a vertical longitudinal section on the line 5—5, Fig. 4.

Referring to said drawings, in which like designating characters distinguish like parts throughout the several views—1 indicates generally a blade holder or sheath which may be of any appropriate form or type, but which preferably comprises a sheet of metal doubled longitudinally upon itself to form a

blade support 2 and an overlying substantially parallel member 3, the latter having an integral bar 4 disposed parallel to and at a distance from its front edge and projected beyond the corresponding edge of said support 2 for forming a guard. Said support 2 and member 3 are distanced apart to form a pocket 5 for the reception of a blade 6.

Mounted in a substantially central position upon the blade holder and connected thereto, as by means of screws or rivets 7 directed through lugs 8 and the member 3, is a substantially upright standard or pedestal 9 having a vertical threaded bore 10 in register with an aperture 11 in said member 3. A set screw 12 is mounted in said bore and is adapted to be adjusted to cause its point to impinge upon a blade inserted in the pocket 5 for holding said blade in fixed or adjusted position. The standard or pedestal has formed integral therewith at or adjacent to its upper end a cross-head comprising a pair of oppositely disposed substantially horizontal arms 13 and 14 which are directed outward in a direction transverse to the blade holder. The outer end of the arm 13 is preferably flared outward and preferably has formed therein a shallow cup-like seat or rest 15 for the reception of the ball of a thumb. The outer end of the arm 14 is flared in a manner substantially similar to the end of the arm 13 to form a finger rest 16, and has disposed laterally thereof integral lobular rests, or oppositely disposed projecting ears, 17 designed as finger rests and which are in substantially horizontal alinement with said finger rest 16. Said rests 16 and 17 have their faces disposed substantially vertical with respect to the blade holder so that the fingers engage the same in such position that the advance movement of the razor is accomplished by a forward push in the direction of the line of movement desired, as distinguished from a pull or drag. It will be noted that the thumb rest and the finger rests are located in substantially parallel planes vertical to the blade holder, and that, consequently, the thumb and fingers engage the rests in opposing gripping relation; further, that the distance between the oppositely disposed rests is such that cramping of the hand which supports the device is effectually prevented. The rests 16 and 17 preferably have shallow seats formed therein, as shown, for facilitating a ready grasp of the device, and one or all of said seats may have

their faces milled or otherwise roughened, as shown in Figs. 1 and 2, affording a means whereby slipping of the balls of the fingers therefrom is guarded against.

5 From the foregoing it will be apparent that I provide a simple and convenient device of the character described having various marked advantages. And, while I have described the device more or less in detail, it
10 will be obvious that various minor changes may be made in the form and arrangement of some of the parts without departing from the general spirit and scope of the invention as defined in the appended claims.

15 Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a safety razor, the combination with a blade sheath, of a substantially upright
20 pedestal attached to said sheath, oppositely disposed arms carried by said pedestal, and thumb and finger rests carried by the outer ends of said arms.

2. In a safety razor, the combination with
25 a blade sheath, of a substantially upright pedestal attached to said sheath, arms carried by the upper end of said pedestal, and finger rests formed at the outer ends of said
30 arms, the rests of said arms being disposed in opposing relation.

3. In a safety razor, the combination with a blade sheath, of a substantially upright
pedestal attached to said sheath, substantially horizontal arms carried by said pedestal,
35 said arms being disposed in substantial alinement and transverse with respect to said sheath, and finger rests formed on the outer ends of said arms.

4. In a safety razor, the combination with
40 a blade sheath, of a substantially upright pedestal attached to said sheath, means operating through said pedestal for securing a blade in said sheath, arms integral with said
pedestal and having finger rests upon their
45 outer ends, the rest of one arm being disposed in opposing relation to that of the other arm.

5. In a safety razor, the combination with a blade sheath, of a substantially upright
50 pedestal attached to said sheath, an integral cross-head at the upper end of said pedestal extending transverse to the direction of greatest length of said sheath, and out-

wardly facing finger rests formed on the opposite ends of said cross-head.

6. In a safety razor, the combination with a blade sheath, of a substantially upright pedestal attached to said sheath, an integral cross-head at the upper end of said pedestal extending transverse to the direction of
60 greatest length of said sheath, and outwardly facing finger rests formed on the opposite ends of said cross-head, one of said rests having an integral laterally directed lobular finger rest formed on each side there-
65 of and disposed in substantially horizontal alinement therewith.

7. In a safety razor, the combination with a blade sheath, of a substantially upright pedestal attached to said sheath, oppositely
70 disposed arms carried by said pedestal, a thumb rest formed on the end of one of said arms, and a plurality of finger rests carried by the opposite arm, said finger rests having vertical faces and being disposed in hori-
75 zontal alinement.

8. In a safety razor, the combination with a blade sheath, of a substantially upright pedestal attached to said sheath, oppositely
disposed arms carried by said pedestal, a
80 thumb rest formed on the end of one of said arms, a plurality of finger rests carried by the opposite arm, said finger rests having vertical faces and being disposed in horizontal alinement, and means adjustably mounted
85 in said pedestal for securing a blade in said sheath.

9. In a safety razor, the combination with a blade sheath, of a substantially upright pedestal attached to said sheath, oppositely
90 disposed arms carried by said pedestal, a thumb rest formed on the end of one of said arms, a plurality of finger rests carried by the opposite arm, said finger rests having vertical faces and being disposed in hori-
95 zontal alinement, and a set screw mounted in said pedestal and adapted for adjustment to impinge upon a blade mounted in said sheath.

In testimony whereof I affix my signature 100 in presence of two subscribing witnesses.

LOUIS HIENER.

Witnesses:

H. E. DUNLAP,
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