L. N. LEVINSOHN.

SAFETY RAZOR.

APPLICATION FILED JULY 28, 1908.

931,778. Patented Aug. 24, 1909.

Fig. 1

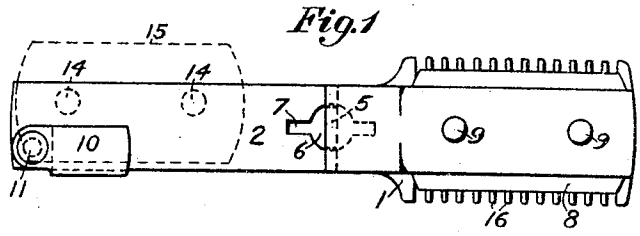


Fig. 2

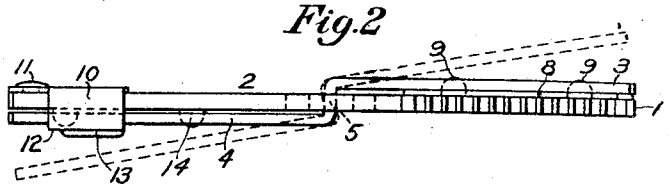


Fig. 3

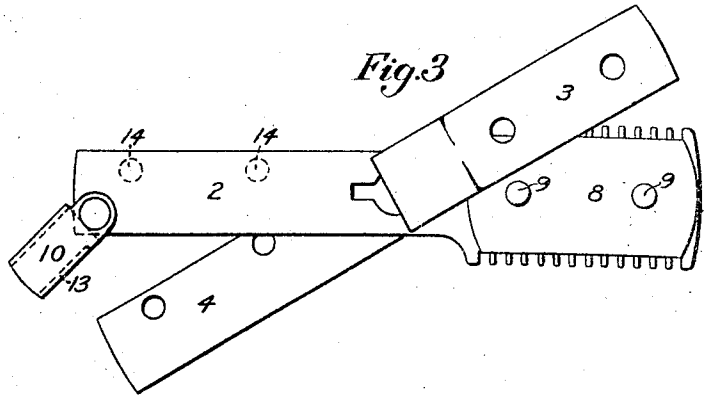


Fig. 5

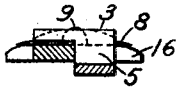
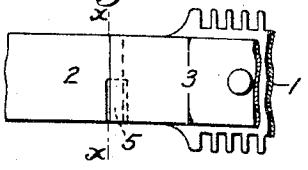


Fig. 4



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SAFETY-RAZOR.

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Application filed July 28, 1908. Serial No. 445,703.

To all whom it may concern:

Be it known that I, LOUIS N. LEVINSOHN, a citizen of the United States, and residing at Richmond Hill, Long Island, in the county of Queens and State of New York, have invented an Improvement in Safety-Razors, of which the following is a specification.

My invention relates to razors of the class in which the blade is readily removable from the handle or holder, for the purpose of sharpening or exchanging the blade, and particularly to razors of the class which are provided with guards and are designated as "safety razors."

The chief object of my invention is to produce a razor of the class above referred to which shall be simple in construction and convenient in use.

Further objects of the invention are to provide for the easy dismemberment of the razor to facilitate cleaning its parts, and to produce a razor in which the removable blade may be suitably held for the purpose of stropping or honing it as well as for the purpose of shaving.

The invention consists in the improved razor hereinafter described and illustrated in the accompanying drawings, as defined in the succeeding claims.

In the drawings Figure 1 is a front view of a razor embodying the present invention, showing the razor in condition for use and Fig 2 is a side view of the same. Fig. 3 is a front view showing the razor in blade-releasing position. Fig. 4 is a detail front view of a modified form of joint between the stock and the locking lever, and Fig. 5 is a section on line X—X of Fig. 4, looking toward the right.

The illustrated embodiment of my invention comprises a holder consisting of two members between which the blade is clamped, these members being formed to be interlocked with, and detached from, one another in a simple and convenient manner. One member, which may be described as the "stock" comprises a head 1 and a handle 2, formed integrally. The other member hereinafter termed the "locking lever", has two arms 3 and 4 which are in offset but substantially parallel relation and are connected integrally by a narrower portion 5.

In order that the stock and the locking lever may be interlocked, the stock is provided with a round opening 6 and two connecting slots 7. The narrow part 5 of the locking lever occupies the opening 6 and the arm 3 is normally superposed upon the head 1, while the arm 4 lies below the handle 2.

The blade 8, which consists of a thin sheet of steel sharpened on both longitudinal edges, is located in proper position on the head by two rounded pins or bosses 9 integral with the head. These pins enter corresponding holes in the blade and the arm 3. The blade is held firmly against the head by the arm 3, the latter being held in position by securing the arm 4 to the handle. For this purpose a spring clip 10 is pivoted at 11 to the handle. This clip is bent around under the handle; and when in operation its lower member 12 engages the arm 4 and holds it firmly close to or against the bottom of the handle. The edge of the clip is bent down at 13 to assist in its manipulation.

When the blade is clamped, as above described, to the head, it may be used for shaving in the ordinary manner, and the head is provided with serrated edges 16 acting as guards to constitute the razor a safety razor. After the blade has been used for shaving it may be conveniently removed for cleaning or sharpening by releasing the locking lever. The spring clip 10 is swung on its pivot to disengage the arm 4, and the locking lever may then be rocked first into the position shown in dotted lines in Fig. 2, to disengage the pins 9, and then laterally, as in Fig. 3, to permit the removal of the blade from the pins. The locking lever may readily be entirely disengaged from the stock for convenience in cleaning it. For this purpose it is swung laterally into a position at right angles with the stock, and it may then be removed longitudinally through the slots 7. In order that the holder may be used also in honing or stropping the blade, two pins 14, similar to the pins 9, project from the bottom of the handle 2 and engage corresponding holes in the arm 4. When the blade is placed upon these pins, it may be clamped between the handle and the arm 4, these parts being secured together by the clip 10, and in this position one edge of the blade projects, as shown in broken lines in Fig. 1, sufficiently to permit it to be sharpened, the head 1 and arm 3 serving, in this case, as the handle of the device. To sharpen the opposite edge of the blade, the blade is released and turned around in the holder.

In the modified form of joint between the two members of the holder illustrated in Figs. 4 and 5, the stock is slotted half way through from one edge, and the part 5 connecting the arms of the locking lever is similarly slotted in the opposite direction, so that the parts may be interlocked or disengaged by a purely lateral movement. In this form of holder the locking lever, after being disengaged from the pins 9 and 14 by a rocking movement, as in Fig. 2, is disengaged from the stock by a lateral movement instead of being turned and withdrawn as in the form of construction first described.

Although I have described the two blade clamping members of the holder by different terms, for convenience in description, it will be obvious that their functions are interchangeable, that is, the guards, pins and clip may be attached to either member indifferently, and the essential feature of the construction is the use of two lever-like blade-clamping members adapted to clamp a blade at one or both ends.

Various modifications may be made in the embodiment of my invention hereinbefore described and illustrated in the accompanying drawings within the nature of the invention and the scope of the following claims.

I claim:

1. In a safety razor, the combination with a pair of members, having means for pivoting them together intermediate their ends, one of said members at one end being provided with a blade guard said parts being so constructed and arranged that a blade may be clamped between the members at either end thereof with the other end of the members forming a handle.

2. In a safety razor, the combination with a pair of members, having means for detachably pivoting them together intermediate their ends, one of said members at one end being provided with a blade guard said parts being so constructed and arranged that a blade may be clamped between the members at either end thereof with the other end of the members forming a handle.

3. In a safety razor, the combination with a pair of members, having means for connecting them together intermediate their ends, one of said members at one end being provided with a blade guard, said parts being so constructed and arranged that a blade may be clamped between the members at either end thereof with the other end of the members forming a handle.

4. In a safety razor, the combination with a flat plate provided with an opening intermediate its ends, of a second plate formed of two flat portions connected by an intermediate portion, one of said plates at one end being provided with a blade guard said intermediate portion being adapted to enter said opening to detachably connect said parts together.

5. In a safety razor, the combination with a flat plate provided with an opening intermediate its ends, said opening being formed of a central circular portion and straight portions extending from said central portion and lengthwise of said plate, of a second plate formed of two flat portions connected by an intermediate portion, said intermediate portion being adapted to enter said opening to detachably connect said parts together one of said plates at one end being provided with a blade.

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