

C. W. LEVALLEY.
SAFETY RAZOR.
APPLICATION FILED JUNE 21, 1906.

949,584.

Patented Feb. 15, 1910.

2 SHEETS—SHEET 1.

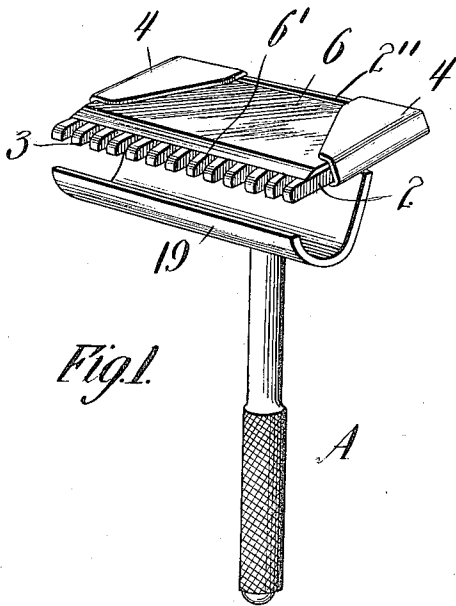


Fig. 1.

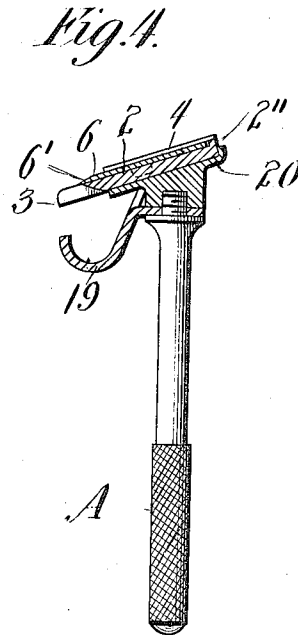


Fig. 4.

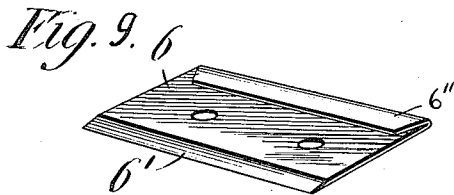


Fig. 9.



Fig. 10.

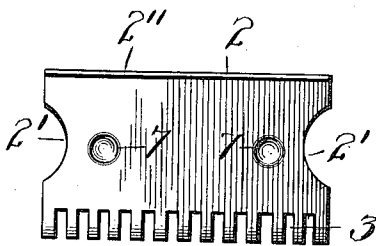


Fig. 2.

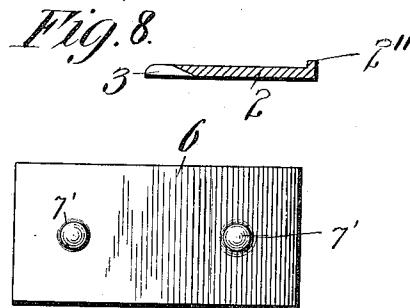


Fig. 8.

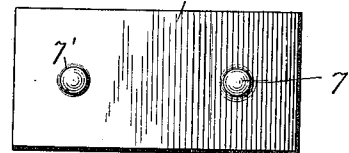


Fig. 3.

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Geo. B. Pitts.

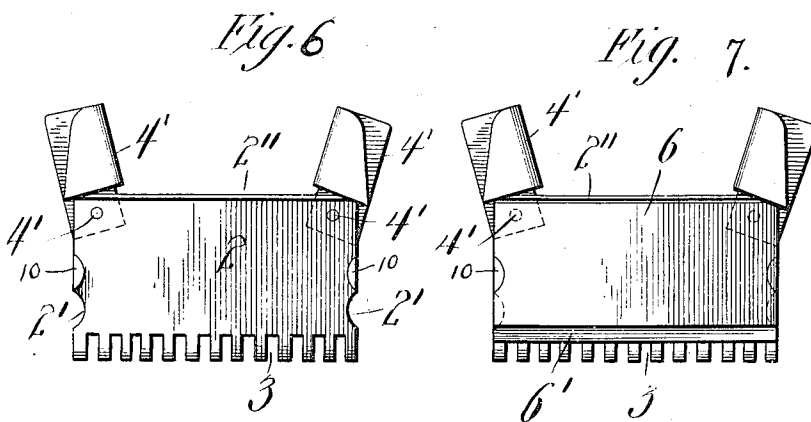
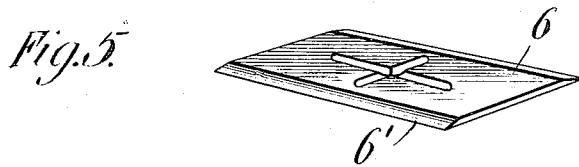
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2 SHEETS—SHEET 2.



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SAFETY-RAZOR.

949,584.

Specification of Letters Patent.

Patented Feb. 15, 1910.

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To all whom it may concern:

Be it known that I, CHRISTOPHER W. LEVALLEY, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

My invention relates to safety razors and has for its object to produce a razor of this character, the parts of which may be easily separated so as to be conveniently carried in the pocket or packed in a case.

Referring to the drawings, Figure 1 represents a perspective view of my improved razor. Fig. 2 is a plan view of the base plate. Fig. 3 is a bottom plan view of the razor blade. Fig. 4 is a central transverse sectional view of the razor. Fig. 5 is a perspective view of a razor blade of a different form from that shown in Fig. 3. Fig. 6 is a plan view of a base plate or support for the razor blade different from that shown in the figures already described. Fig. 7 is a view similar to Fig. 6 with a razor blade in place. Fig. 8 is a transverse sectional view of a base plate or support for the razor blade. Fig. 9 is a perspective view of still a different form of razor blade. Fig. 10 is a transverse sectional view of the blade shown in Fig. 9.

In the drawings, A indicates the razor handle and 2 a base plate or supporting member for the blade 6. The base plate is provided along its front edge with a series of teeth 3, which operate as a guard for the cutting edge of the blade, as is common in safety razors.

4—4 indicate the clasp members arranged to engage with the ends of the blade and hold it down securely upon the base plate, they being for that purpose preferably elastic, so as to spring slightly when in engagement with the blade. These clasp members may be integral with a supporting plate 20 to which the handle A is connected, as represented in Figs. 1 and 4, in which case the razor blade and the base plate 2 are slipped thereunder from the front; or, they may be pivoted to the under side of the base plate 2, as shown at 4'—4', and arranged to swing in planes parallel to the base plate, as represented in Figs. 6 and 7.

The razor blade is formed of wafer steel, or paper steel, that is steel of high grade but very thin, and is arranged to rest upon

the base plate or blade-supporting member 2, with its edge over the toothed or comb edge thereof where it is clamped in position by the clasps 4. The blade 6 is provided with the usual cutting edge 6', or, if desired, with two such edges, as represented in Fig. 5. In order to make the razor blade sufficiently rigid, I may, however, provide it with a stiffening piece of metal 6 along its rear edge, this being usually accomplished by folding the said edge back upon itself, as shown in Figs. 9 and 10.

To hold the blade securely and to provide means for always insuring that its cutting edge shall be in proper position relative to the guard teeth, I prefer to form depressions 7—7 in the base plate, and to provide the razor blade with projections 7', 7', adapted to enter or register with such depressions, so that the parts will be interlocked when the blade is upon the base plate and the clasps 4—4 are in position to clamp these parts together. The arrangement of these inter-fitting depressions and projections may be varied. For instance a pair of each, as represented in Figs. 2 and 3, would probably suffice, though I prefer the arrangement shown in Fig. 5.

In the form of invention represented 85 in Figs. 6 and 7 the base plate 2 is represented as being provided at its opposite edges with projections 10, 10, adapted to enter recesses formed at the edge of the blade, as represented in Fig. 7, thus properly positioning and holding the blade.

In order to protect the rear edge of the blade, particularly where a double-edged blade is employed, like that represented in Fig. 5, I provide the blade supporting parts with a flange 2''. I have also found it of advantage to form the base plate 2 with cut-away ends, as represented at 2'—2', to facilitate the handling of the blade, which can then be removed or put in place while held by its ends.

The handle is screwed into a socket or recess formed in the supporting plate 20, as represented in Fig. 4. Supported between the base plate and the handle, and arranged to be clamped in position by the latter is a lather receptacle 19 having a depending portion arranged to lie in position to catch the lather and drippings from the razor when the device is in use.

From the foregoing description and the drawings it will be seen that the several

parts of my razor may be taken apart, by removing the blade, unscrewing the handle and detaching the lather receptacle, and that the parts may then be compactly packed
5 in a small case or carried in the pocket.

A razor such as I have described, wherein the parts are separable one from the other, may be easily cleaned or sterilized, there being no corners, joints or places of lodgment
10 that cannot be reached for the harboring of dirt or germs.

What I claim is:

1. In a safety razor, the combination with the handle, of a base piece mounted thereon
15 and provided with a toothed guard and having depressions in its upper face, a removable blade arranged to be supported by the base piece and formed with projections corresponding to the said depressions in the
20 base plate, for holding the plate in position, and means for clamping the said base plate and razor blade together, substantially as set forth.

2. In a safety razor, the combination of
25 a supporting plate, a handle secured thereto, a base plate adapted to rest upon the supporting plate and provided along one edge with guard teeth, a blade resting on the base plate, and clamping members at the edges of
30 the supporting plate arranged to secure the

base plate and blade upon the supporting plate, the handle, supporting plate, base plate, and blade being easily separable one from the other, whereby the razor may be disassembled and its parts packed in small
35 compass.

3. In a safety razor, the combination with a supporting plate carrying clamping members, of a separable base plate and a razor
40 blade adapted to rest upon the base plate and having interlocking engagement thereon, whereby it is held from shifting thereon, the base plate and blade being adapted to be together applied to the supporting blade
45 and held by the clamping members or to be removed therefrom.

4. In a safety razor, the combination of a support for the blade having clamping members and a guard along its front edge, a
50 handle adapted to be applied to the support but easily separable therefrom, and a lather receptacle having a part adapted to be clamped between the handle and the base when these are united, and provided with a
55 depending portion adapted to catch the lather, arranged below the guard.

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Witnesses:

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