

O. A. DANNAHER.
SAFETY RAZOR.
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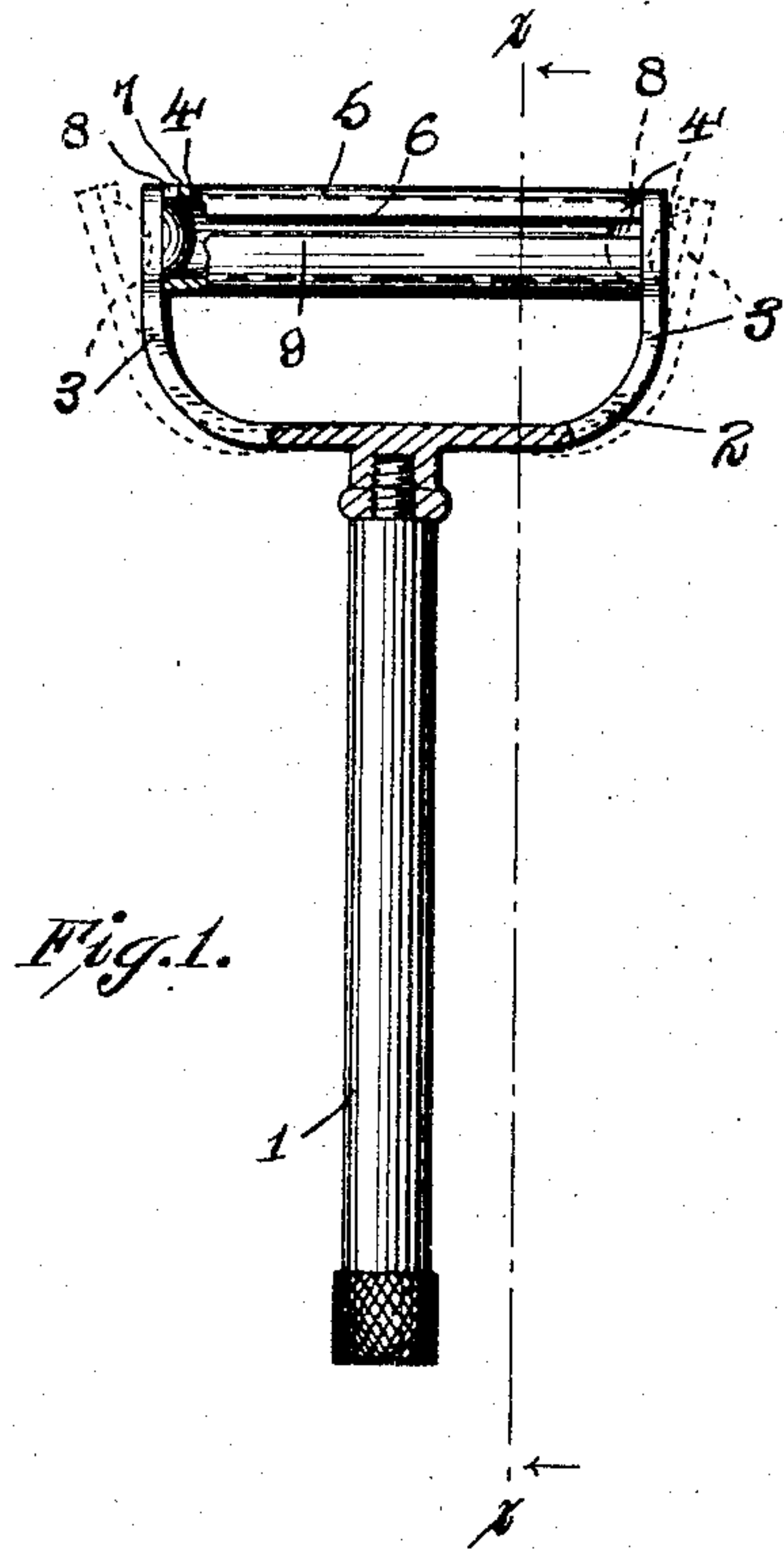


Fig. 1.

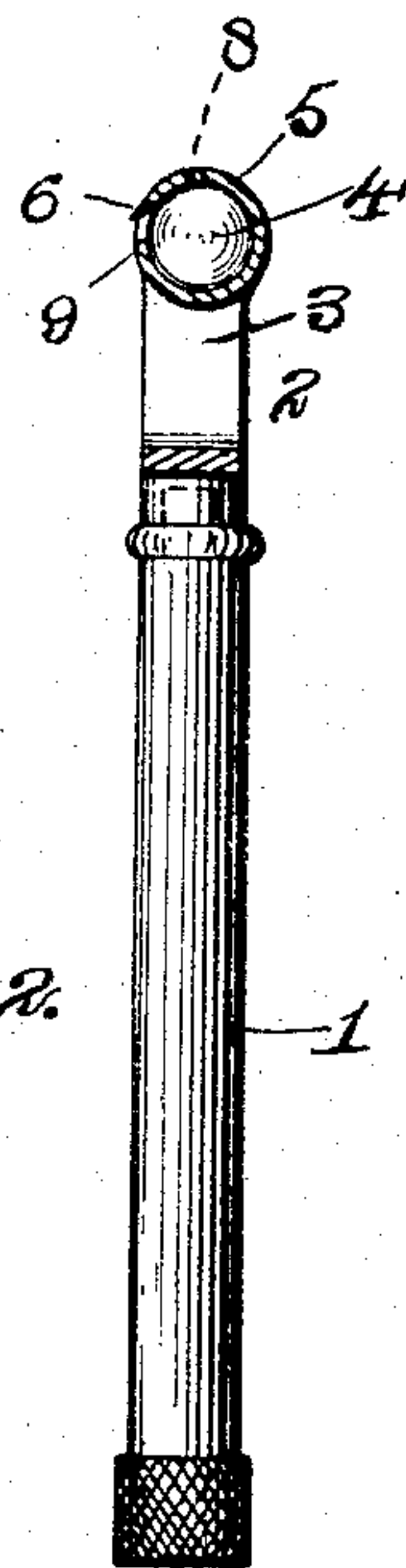


Fig. 2.

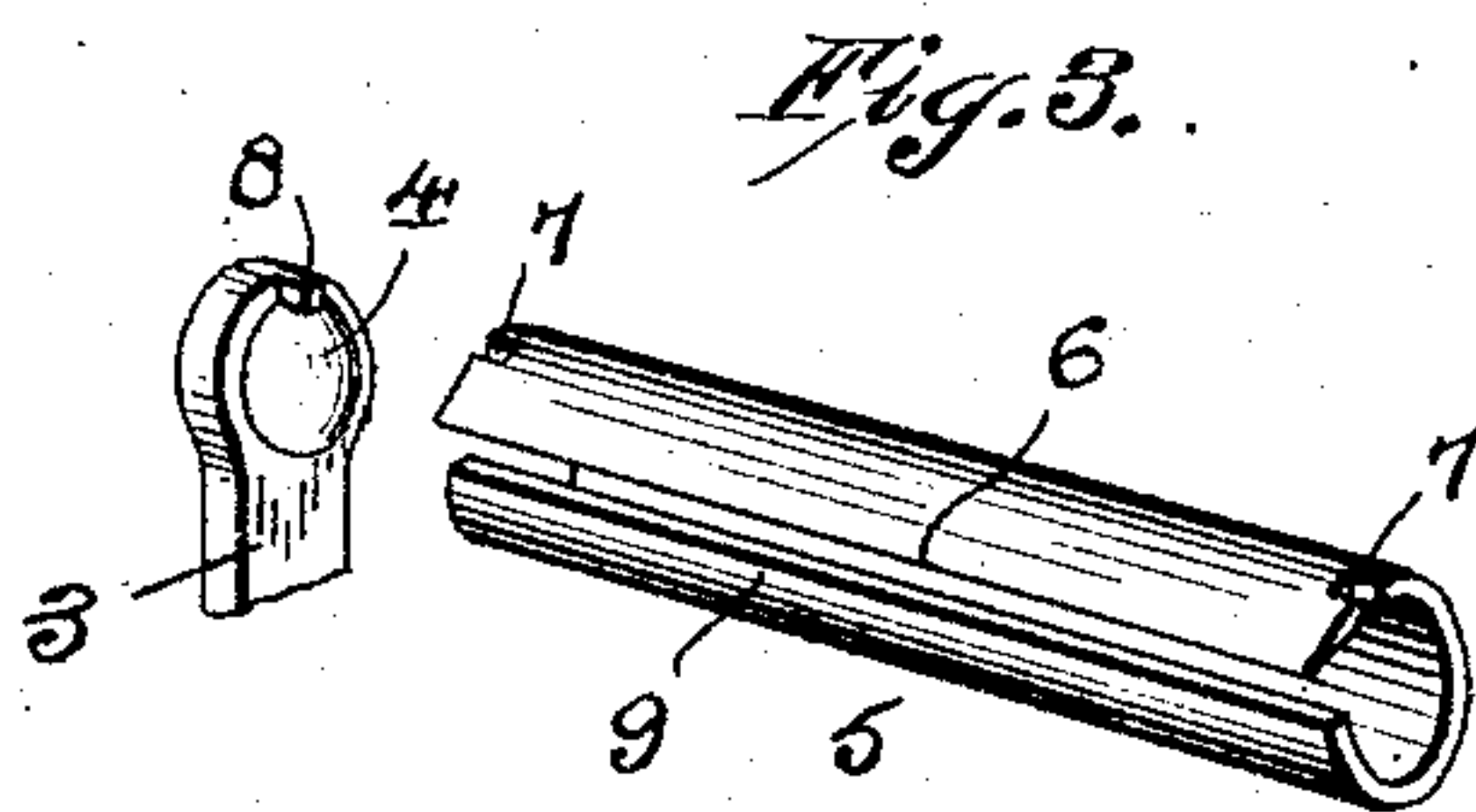


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

OLIVER A. DANNACHER, OF GREENSBURG, INDIANA.

SAFETY-RAZOR.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OLIVER A. DANNACHER, a citizen of the United States, residing at Greensburg, county of Decatur, and State of Indiana, 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 the production of a device of such character which will be of extremely simple construction, hence of low cost to manufacture, and further one which will be of great effectiveness and efficiency in operation.

Another object is the production of a safety razor the comprising parts of which may be readily and easily assembled for use, or after use as readily and expeditiously be taken apart, and which, when taken apart, may be compactly packed.

Other objects will appear hereinafter.

With these objects in view my invention consists in a safety razor characterized as above mentioned and in certain details of construction and arrangement of parts all as will be hereinafter fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a front elevation, partly in section, of the preferred form of my razor, Fig. 2 is a section taken on line $x-x$ of Fig. 1, and Fig. 3 is a detail perspective of the blade and one of the supporting arms.

Referring now to the drawings 1 indicates a suitable handle, which, as seen, is preferably knurled or roughened to facilitate rotation thereof. Provided at one extremity of said handle, the same being preferably, although not necessarily in threaded connection therewith, is a yoke 2. Said yoke is formed of a suitable resilient material, preferably of suitable metal, and the opposing arms 3 thereof are provided at corresponding points upon their inner surfaces with inwardly extending hemi-spheroidal projections 4.

The razor blade 5 is tubular in form being constructed of a tube of suitable hardened or tempered metal split longitudinally, one edge 6 thereof being off-set slightly outwardly or preferably disposed tangentially

to the body thereof, as clearly shown in Fig. 2, and sharpened to constitute the severing edge of the blade. Said blade is of a length slightly greater than the normal distance between the yoke arms 3, hence, when the former is arranged therebetween, the latter will exert an inwardly directed pressure thereon serving to securely hold the same in position against relative longitudinal movement. Said projections are of a diameter substantially the same as the inner diameter of said blade, hence are adapted, when the latter is engaged thereby, to prevent transverse movement thereof. In order to prevent rotary movement of the blade, when in use, the latter is provided in its respective extremities with notches 7 which are adapted to be snugly engaged by lugs 8 formed upon the inner surfaces of the arms 3 adjacent the peripheries of the projections 4 thereof. Said lugs and said notches are so positioned relative to the blade that, when the latter is arranged between the yoke arms 3 the cutting edge 6 thereof will be disposed in a slightly downwardly obliquely disposed position relative to the axis of the handle 1, as clearly shown in Fig. 2. The outer ends of the arms 3 are of such form and dimensions that, when the blade is arranged therebetween, the peripheral edges of said ends will be flush with the outer surface of said blade.

When using the razor, in which event the severing edge 6 is drawn over the skin in an obliquely disposed position, the edge 9 of the blade which is disposed in close proximity with the edge 6 will serve as a protection for the skin to prevent cutting thereof. Further, when in use, the lather removed from the face by the blade will be deposited into the interior of the latter where it will be retained and prevented from accidentally dropping therefrom upon the floor or clothes of the user such as often happens with razors having blades of the ordinary flat type. In order to attach or detach the blade it is only required to spring the yoke arms to the positions shown in dotted lines.

While I have shown what I deem to be the preferable form of my device, I do not wish to be limited thereto as there might be various changes made in the details of construction and the arrangement of parts described without departing from the spirit of the in-

vention comprehended within the scope of the appended claims.

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

1. In a safety razor, the combination of a tubular member having a longitudinal opening at one side, one side of said opening being provided with a razor edge and the other side positioned relatively thereto to constitute a guard therefor, and a holder for said blade, substantially as described.

2. In a safety razor, the combination of a tubular member having a longitudinal opening at one side, one side of said opening being provided with a razor edge and the other side positioned relatively thereto to constitute a guard therefor, and a removable holder adapted to engage both ends of said member, substantially as described.

3. In a safety razor, the combination of a blade, said blade comprising a split tube having one edge off-set slightly outwardly and sharpened whereby the other edge constitutes a guard for said sharpened edge, and a holder for said blade, substantially as described.

4. In a safety razor, the combination of a blade comprising a longitudinally split tube having one edge disposed tangentially to the body thereof and sharpened whereby the other edge constitutes a guard for said

sharpened edge, and a holder for said blade, substantially as described.

5. In a safety razor, the combination of a handle having a resilient yoke at one end, a blade positioned between the arms of said yoke, said blade comprising a longitudinally split tube having one edge off-set slightly outwardly and sharpened, and the other edge forming a guard, positioning means for said blade provided upon the inner surfaces of said arm and means for locking said blade against rotary movement in said yoke, substantially as described.

6. In a safety razor, the combination of a handle having a resilient yoke at one end, a blade detachably mounted between the arms of said yoke, said blade comprising a longitudinally split tube having one edge off-set slightly outwardly and sharpened, and the other edge forming a guard, projections upon the inner sides of said arms for retaining said blade in position therebetween, and a lug upon each of said arms adapted to engage a notch provided in each extremity of said blade, substantially as described.

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

OLIVER A. DANNACHER.

Witnesses:

ESTEVAN ALLEN,
ANTHONY HABIG.