Jan. 2, 1923. 1,441,016.

C. E. MATTHEWS.

MULTIPLE RAZOR BLADE HOLDER.

FILED JUNE 10, 1922.

2 SHEETS—SHEET 1.

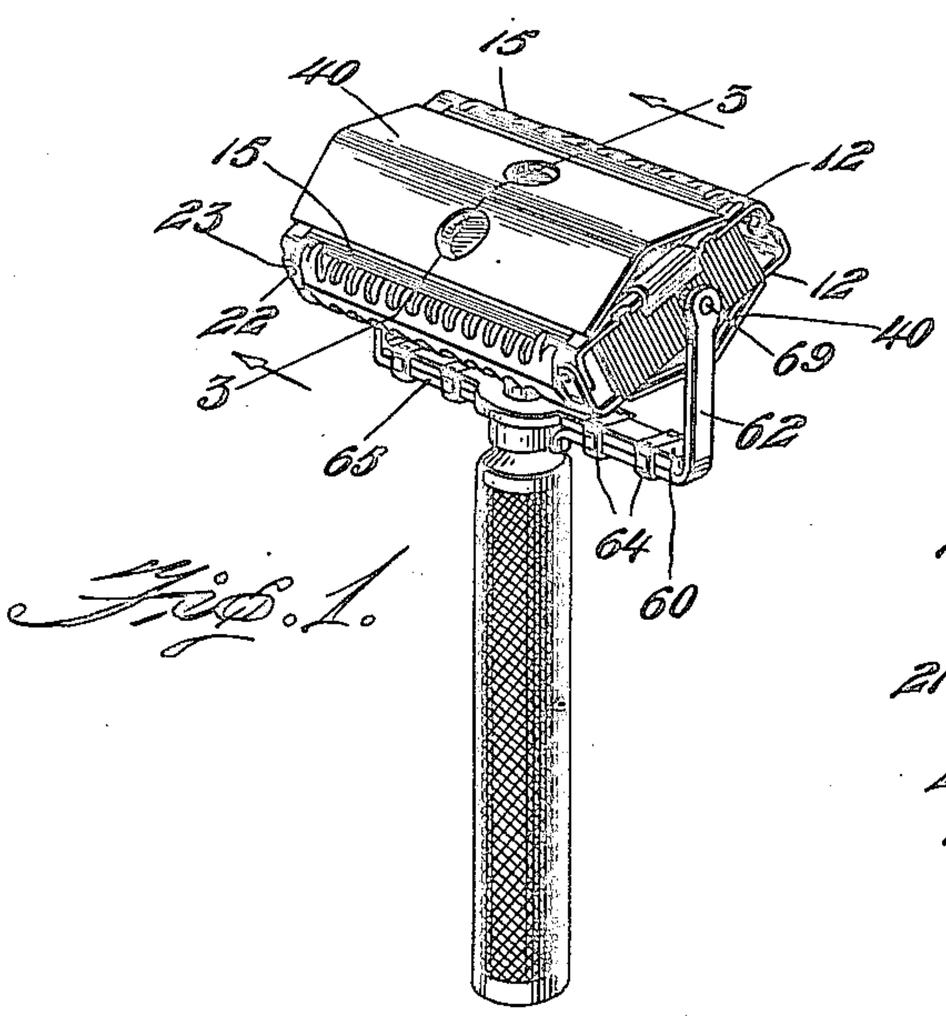


Fig. 1.

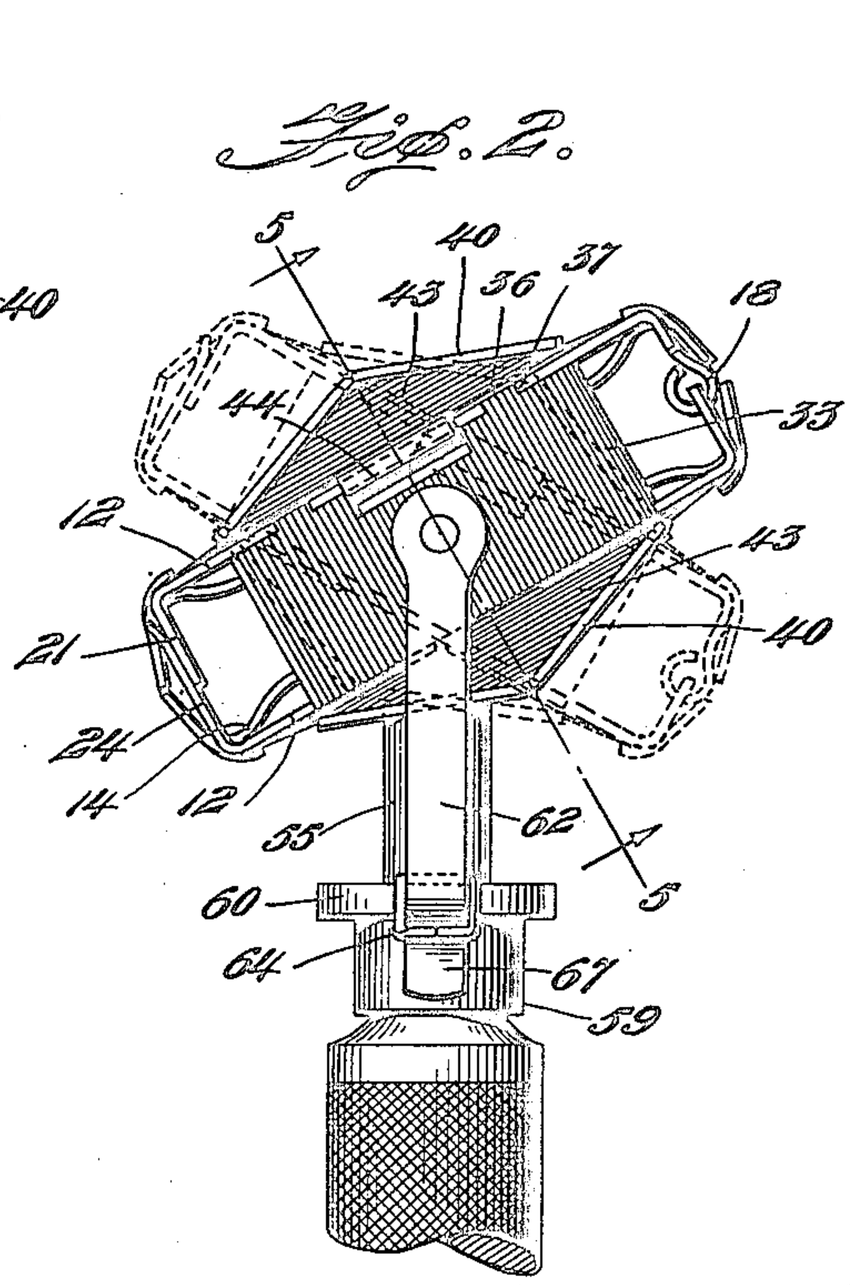


Fig. 2.

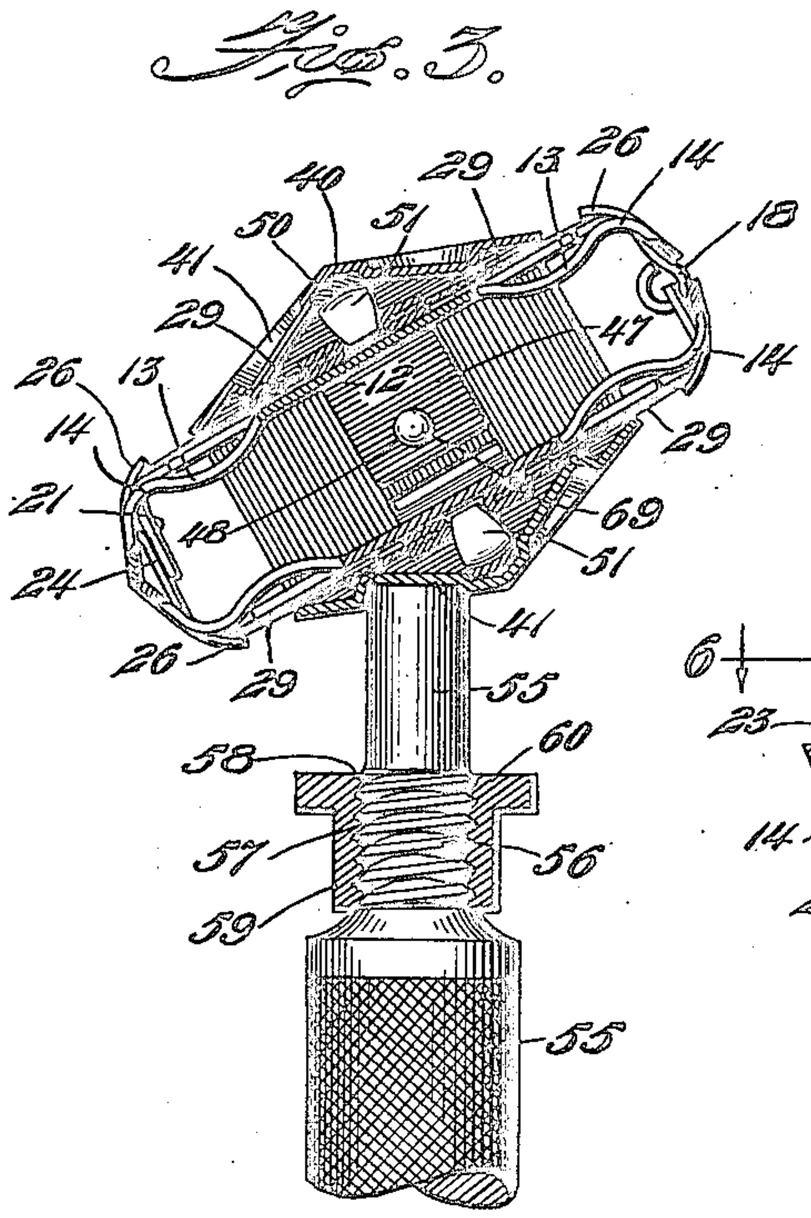


Fig. 3.

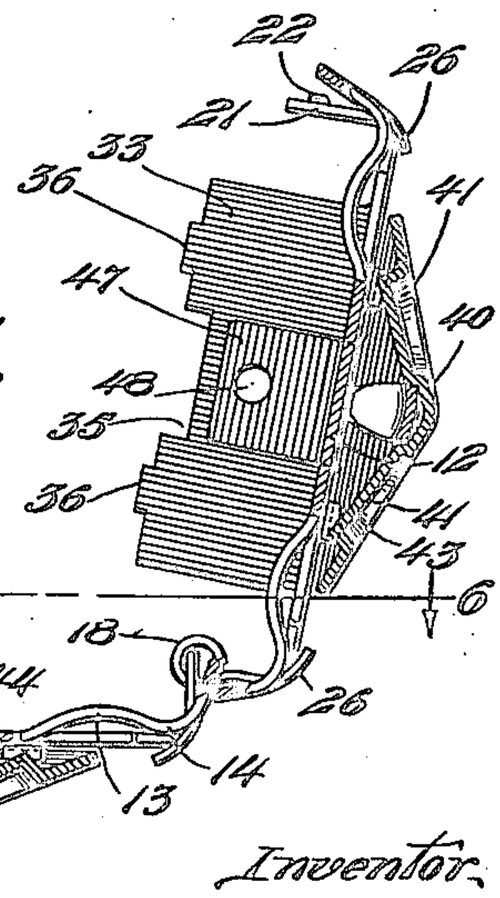


Fig. 4.

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Fig. 5.

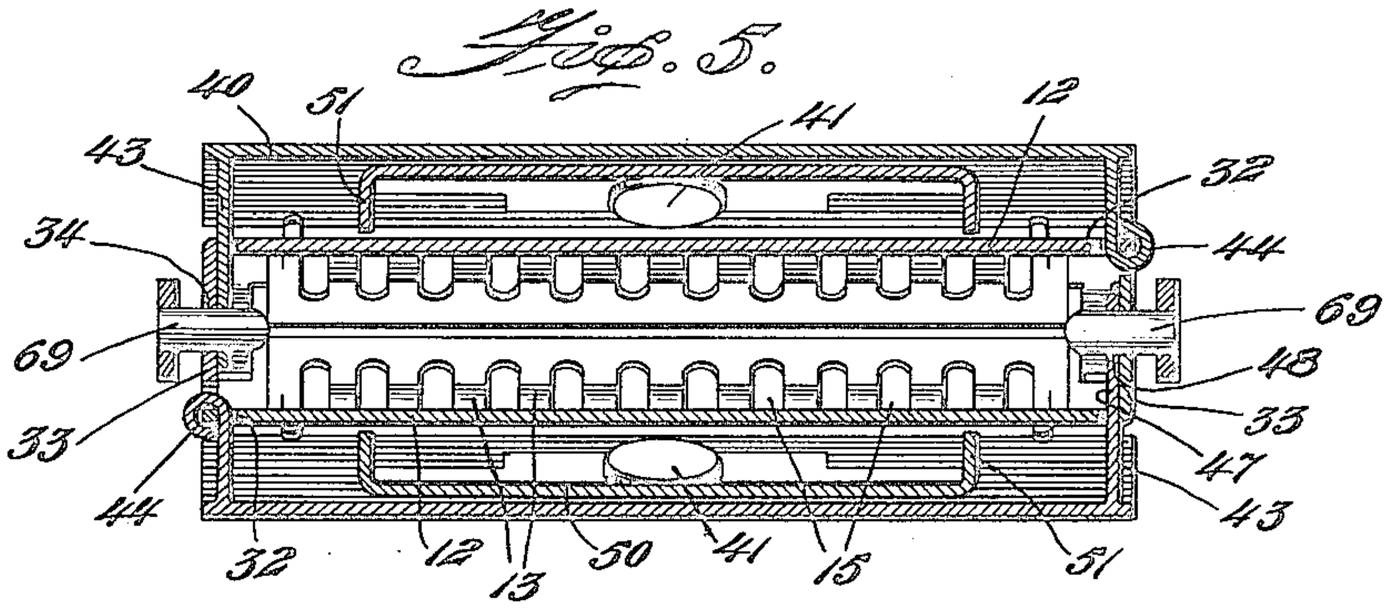



Fig. 6.

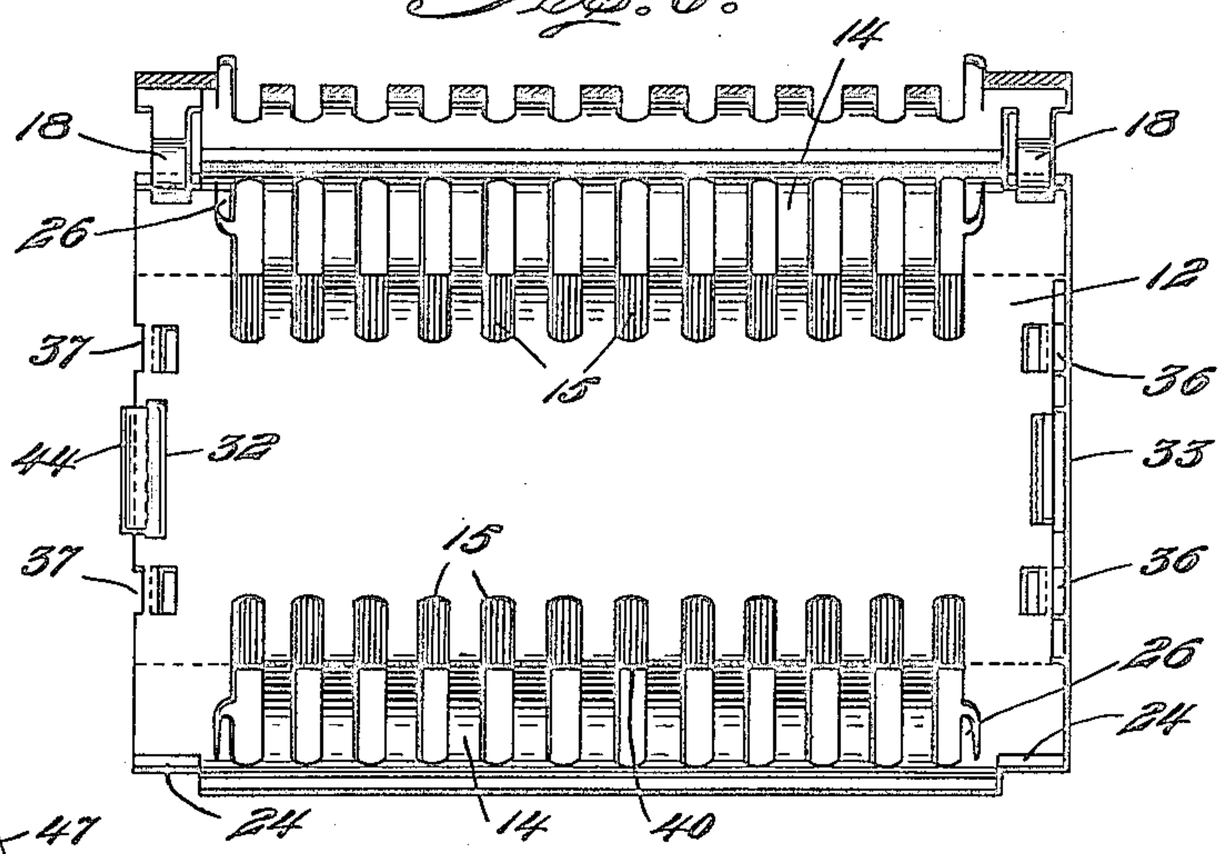



Fig. 7.

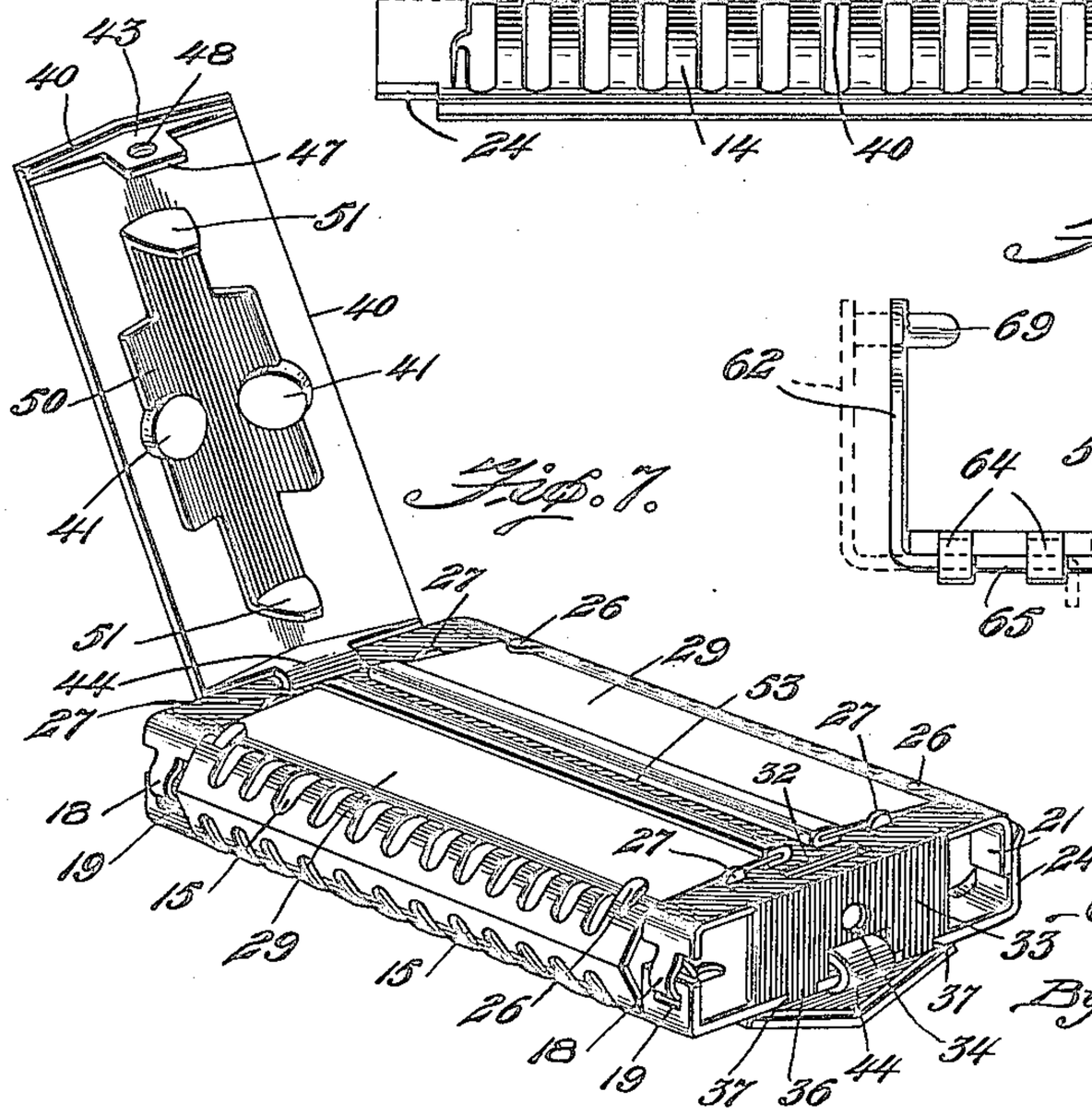
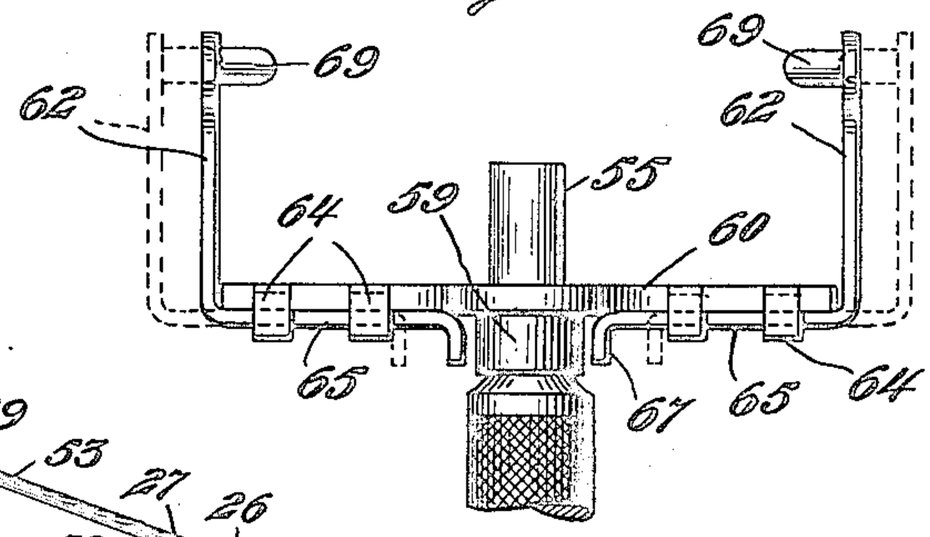



Fig. 8.




Inventor:
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Patented Jan. 2, 1923. 1,441,016

# UNITED STATES PATENT OFFICE.

CHARLES E. MATTHEWS, OF EAST PROVIDENCE, RHODE ISLAND.

## MULTIPLE RAZOR-BLADE HOLDER.

Application filed June 10, 1922. Serial No. 567,250.

*To all whom it may concern:*

Be it known that I, CHARLES E. MATTHEWS, a citizen of the United States, residing at East Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Multiple Razor-Blade Holders, of which the following is a specification.

My invention relates to safety blade holders and has for its essential objects the simultaneous accommodation of a plurality of blades; adaptability to the successive use of a plurality of blades without the removal of a blade; security of blade engagement without slipping; adaptability for disassembling; accessibility of parts for cleansing; portability, compactness, and inexpensiveness of construction.

To the above ends essentially my invention consists in such parts and is such combination of parts as fall within the scope of the appended claims.

In the accompanying drawings which form a part of this specification,

Figure 1 is a perspective view of my novel holder,

Figure 2, an end elevation of the same with a portion of the handle broken away, and showing in broken lines a second position of the holder,

Figure 3, a section of the holder and a portion of the handle on line 3—3 of Figure 1,

Figure 4, a similar section of the frame in open position,

Figures 5 and 6, sections on lines 5—5 and 6—6 respectively of Figures 2 and 4, omitting the blades,

Figure 7, a perspective view of the holder frame with one clamping plate elevated, and

Figure 8, a detail side elevation of the yoke, showing in broken lines the parts in expanded position.

Like reference characters indicate like parts throughout the views.

My holder in its preferred form of embodiment consists of a frame comprising two oblong guard plates or sections 12 provided intermediate their lengths with longitudinal depressions 13 and resultant marginal elevations 14, and with series of openings 15 disposed transversely of the depressions and elevations. Integral depending loops 18 upon a longer side of one section pass through marginal slots 19 in a longer side of the other section and constitute hinge members. Depending lugs 21 on the opposite longer side of one section have knobs 22 adapted to enter perforations 23 in similarly disposed resilient lugs 24 on the corresponding side of the other section, and form retaining snaps upon the four outer longer margins of the sections 12 near their ends are inwardly inclined guard fingers 26. Near the ends of the sections 12 intermediate the width of the sections are pairs of stop lugs 27. Upon the outer face of each section 12 is adapted to rest two parallel safety razor blades 29 longitudinally disposed thereon with their backs spaced from each other. The front or sharp edges of the blades are adapted to be overlapped by the fingers 26, and the blade ends are retained against longitudinal movement by the lugs 27.

Centrally of each section 12 near their ends are transverse oblong slots or openings 32; and integral with or fast to one end of each section is an inwardly directed end wall 33. The wall on one section is disposed on the end opposite that of the other section. Both walls have central perforations or holes 34 and centrally disposed marginal cut away portions or slots 35, each side of which, in this instance, are lugs 36 adapted to register in cavities 37 in the ends of the opposite section.

The frame includes two members for retaining the blades in their described inserted positions. In detail each member comprises an oblong transversely arched or angular plate 40 provided in the center of each of its inclined faces with depressions or sockets 41. The plates have ends 43. Integral with one end of each, opposite each other, is a loop 44 passing loosely through one of the slots 32 of a guard plate section and forming a hinge. Integral with each end 43 opposite the one carrying the loop is an ear 47 provided with a central perforation or hole 48. These ears 47 are adapted to loosely pass through those slots 32 opposite to those through which pass the loops 44; and, when in closed position, the perforations 48 and 34 register with each other. Integral with the inner faces of the plates 40 or with a plate 50 fast thereto are spacing lugs 51 spaced from each other and in longitudinal alignment, so located that when the pivoted retaining plates are in closed position the lugs enter the space in-

dicated as 53 in Figure 7 between the blade backs and engage the latter to maintain them against accidental escape from the fingers 26. In closed position also the lateral edges of the plates 40 press upon the blades 29.

The described body of my holder may be carried by a convenient handle or support. The form of carrier herein shown comprises a handle 55 provided near its end with a thread 56 loosely engaging the thread 57 of an opening 58 through a central enlargement 59 of the cross bar 60 of a bail. The bail herein illustrated includes arms 62 slidably attached to the bar 60 by bands 64 fast to the latter in which slide rods 65 integral with the arms 62 and at right angles thereto. The rods 65 slide with such a degree of friction against the bar 60 as to require manual effort to move them. Upon the inner ends of the rods are stop fingers 67, and upon the outer ends of the arms 62 are trunnions or pivot members 69. Initially the arms 62 are expanded and occupy the positions shown in broken lines in Figure 8. The bail or yoke is engaged with the body by manually pressing the arms 62 towards each other so that the members 69 pass through the perforations 34 and 48. The body is thus pivotally mounted on the trunnions, and is circularly adjustable to any one of four positions. The body or frame is maintained in any such position by rotating the handle 55 until its inner end face abuts against the face of the plate 40 in the depression 41. Thus the angle of the body may be changed to accommodate the facile use of any one of four blades.

The series of slots or openings 15 admit the lather therethrough, and the hinged character of the guard frame sections permits accessibility for cleaning the interior. Capacity for a maximum number of blades is afforded. The hinged character of the retaining plates makes substitution of blades easy. The bail construction facilitates disassemblage so as to render the parts compact for transportation.

I claim:—

1. In a razor blade holder, guard sections adapted to receive blades, and retaining plates pivotally connected to opposite sides of the guard sections.

2. In a razor blade holder, a hollow guard frame, retaining fingers upon the lateral margins of the frame, retaining plates pivotally attached to the frame, and spacing lugs upon the retaining plates adapted to register with the middle of the frame.

3. In a razor blade holder, a hollow guard frame, marginal retaining fingers upon opposite sides of the frame, stop lugs at the ends of the frame also upon opposite sides, retaining plates pivotally attached at their ends to opposite sides of the frame, and spacing lugs on the inner faces of the plates.

4. In a razor blade holder, a pair of guard sections provided with a series of transversely disposed marginal openings, hinges connecting the sections, retaining plates resting against the outer faces of the sections, and hinges connecting the plates with the sections.

5. In a razor blade holder, a guard frame comprising hollow guard sections provided with oblong slots near their ends, a wall upon one end of each section, retaining plates pivotally attached at one end to opposite sides of the guard sections, and ears upon one end of each retaining plate registering in the slots.

6. In a razor blade holder, a guard frame comprising hollow guard sections, a wall upon one end of each section, retaining plates pivotally attached at one end to opposite sides of the guard sections, an ear upon one end of each retaining plate adjacent one of the walls, said walls and ears being provided with perforation adapted to register with each other, a handle, and pivot members supported by the handle traversing the perforations of the walls and ears.

7. In a razor blade holder, a guard frame, longitudinally disposed retaining plates pivotally attached at their ends to opposite sides of the frame comprising transversely inclined faces, a bail pivotally supporting the frame, and a handle adjustably mounted in the bail adpted to engage the faces of the plates.

8. In a razor blade holder, a guard frame, inclined retaining plates attached to opposite sides of the frame and provided with sockets, a bail upon which the frame is pivotally mounted provided with a threaded hole, a handle provided with an intermediate thread engaged in the hole and movable into the sockets.

9. In a razor blade holder, a guard frame comprising hollow guard sections, a wall upon the end of each section provided with a central perforation, retaining plates attached to the sections, ears on the plates adjacent the walls and provided with perforations registering with the first perforations, a bail comprising a cross bar provided with a central threaded opening, bands fast to the bar, rods slidably mounted in the bands, and arms upon the rods, pivot members on the arms adapted to enter the perforations of the walls and ears, and a handle provided with an intermediate thread in the threaded opening.

In testimony whereof I have affixed my signature.

CHARLES E. MATTHEWS.