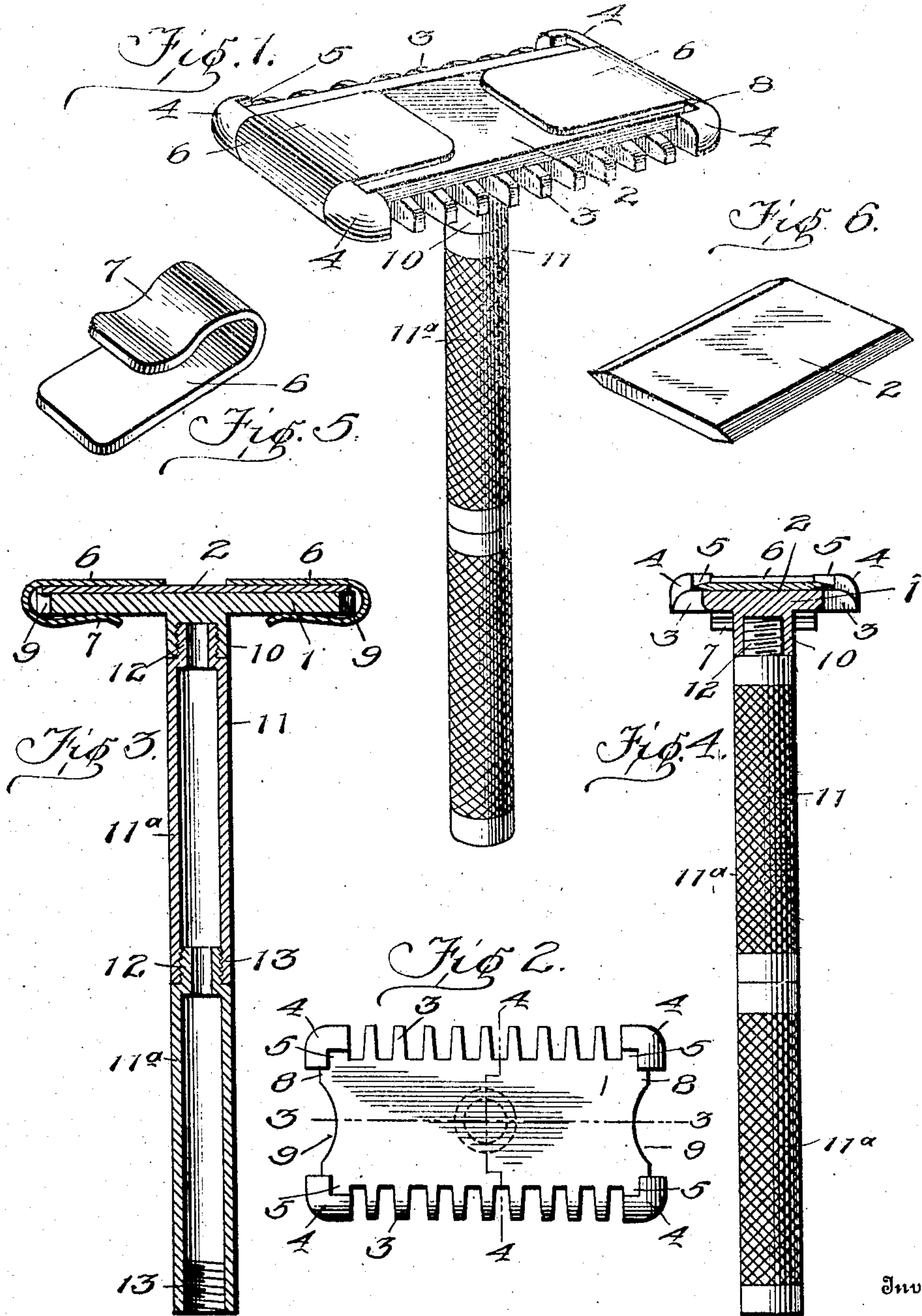


J. M. WALLACE.
SAFETY RAZOR.
APPLICATION FILED MAR. 18, 1908.

913,076.

Patented Feb. 23, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

JAMES M. WALLACE, OF SPARTANBURG, SOUTH CAROLINA.

SAFETY-RAZOR.

No. 913,076.

Specification of Letters Patent.

Patented Feb. 23, 1909.

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To all whom it may concern:

Be it known that I, JAMES M. WALLACE, citizen of the United States, residing at Spartanburg, in the county of Spartanburg and State of South Carolina, have invented certain new and useful Improvements in Safety-Razors, of which the following is a specification.

The present invention relates to improvements in safety razors and has for its object to provide a novel device of this character which is simple and inexpensive in its construction and can be readily taken apart and packed in a comparatively small amount of space when not in use.

The invention further contemplates a novel means for securing the razor blade to the guard member in such a manner that while the blade is effectively retained against accidental displacement when in use, nevertheless it can be quickly removed from the guard and a new blade substituted therefor when required.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of a razor embodying the invention. Fig. 2 is a top plan view of the guard. Fig. 3 is a longitudinal sectional view through the razor on the line 3—3 of Fig. 2. Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 2. Fig. 5 is a detail view of one of the clamps. Fig. 6 is a similar view of the razor blade.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings the numeral 1 designates the guard which is in the nature of a rectangular plate designed to have a handle applied to one side thereof and provided upon its opposite side with means for engaging the razor blade 2. The longitudinal edges of the guard 1 are formed with the oppositely projecting guard fingers 3 which are curved outwardly away from the blade 2 and are designed to cooperate with the sharpened edges thereof in the usual manner to prevent injury to the person of the operator.

The outer face of the guard plate 1 is formed with the corner projections 4 which are provided with the angular notches 5 de-

signed to receive the corners of the blade 2 for the purpose of retaining the latter member against displacement. In this connection it may be mentioned that the blade 2 is imperforate in its construction and rectangular in shape and has a width somewhat less than the width of the guard so that when in position the cutting edges of the blade are held in cooperative relation to the guard fingers 3.

For the purpose of retaining the blade in position against the guard spring clamps 6 are utilized, the said clamps being shown in the present instance as of approximately U formation, one of the arms of the clamp fitting against the blade while the opposite arm engages the other side of the guard 1. Attention is directed to the fact that the said arm of the clamp which fits over the guard 1 is crimped or curved as indicated at 7 to enable a secure grip being obtained thereon when placing the same in position or removing it therefrom. The opposite ends of the guard 1 are notched or cut away at 8 to receive the clamps 6 and depressions 9 are formed at the base of the notches or cut away portions to admit of the blade being grasped between the fingers when displacing the same from the guard.

A socket or internally threaded sleeve 10 projects centrally from the back of the guard 1 and detachably engages a handle 11 which comprises the interchangeable sections 11^a. Each of these sections 11^a is provided at one end with a threaded stud 12 and at the opposite end with a socket 13, and each of the said studs is designed to engage either the sleeve 10 of the guard or the socket 13 of the opposite handle section. With this construction it will be readily apparent that the handle can be quickly detached from the guard and taken apart to enable the razor being packed in a comparatively small amount of space.

Having thus described the invention, what is claimed as new is:

1. In a safety razor, the combination of a guard having opposite ends thereof notched and provided at the base of the notches with depressions, a blade, means upon the guard for positioning the blade with the ends over the depressions to admit of the blade being grasped between the fingers when being applied to the guard or removed therefrom, and clamps received within the notches and engaging the blade to retain it in position.

2. In a safety razor, the combination of a

guard, a handle therefor, corner projections upon the guard, the said corner projections being notched, a blade positioned by the corner projections and having the corners thereof received within the said notches, and removable clamps for retaining the blade in position.

3. In a safety razor, the combination of a guard, a handle therefor, corner projections upon the guard, a blade positioned by the corner projections, and U-shaped spring clamps fitting over opposite ends of the guard for retaining the blade in position, the ends of the guard being cut away to receive the clamps.

4. In a safety razor, the combination of a guard provided upon one side with means

for engaging a blade and, upon the opposite side with an internally threaded sleeve, a blade adapted to be applied to the guard, and a handle comprising a plurality of interchangeable sections each of which is provided at one end with threaded stud and at the opposite end with a socket, the stud being designed to engage either the sleeve of the guard or the socket of another handle section.

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

JAMES M. WALLACE. [L. S.]

Witnesses:

H. T. CRIGLER,
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