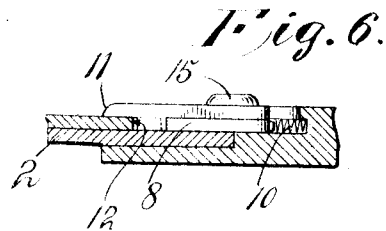
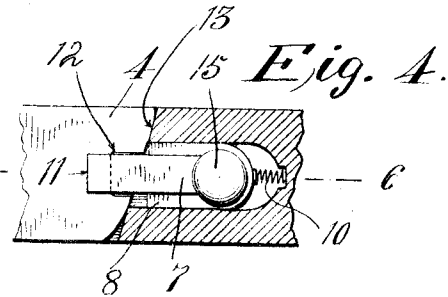
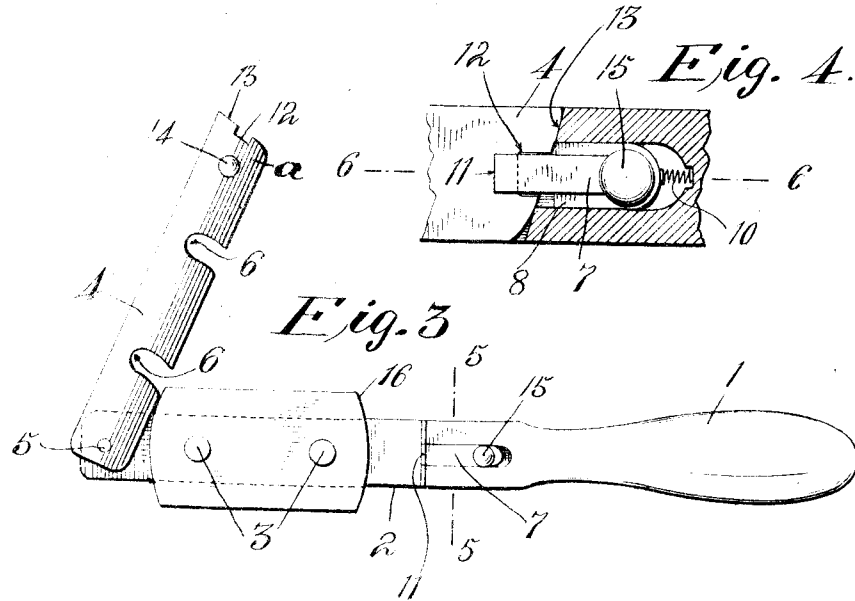
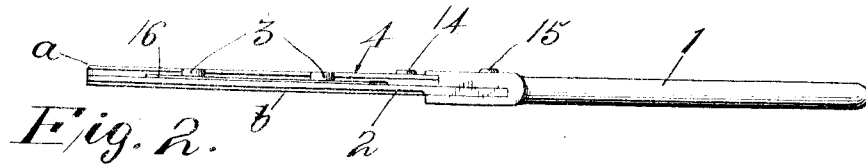
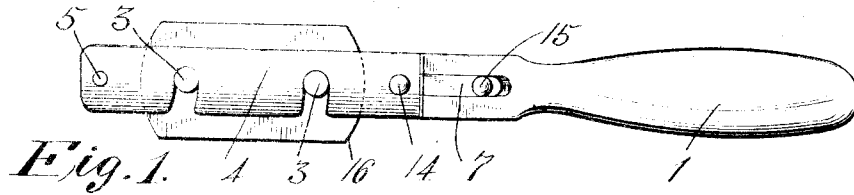


J. G. ROTE.
BLADE HOLDING DEVICE.
APPLICATION FILED MAY 11, 1907.

1,064,545.

Patented June 10, 1913.



Witnesses:
Harry C. Helbig
Mary A. Roberts

Inventor
John G. Rote
By his attorneys
Shinn & Matlack

UNITED STATES PATENT OFFICE.

JOHN G. ROTE, OF BROOKLINE, MASSACHUSETTS, ASSIGNOR, BY MESNE ASSIGNMENTS,
TO GILLETTE SAFETY RAZOR COMPANY, A CORPORATION OF MASSACHUSETTS.

BLADE-HOLDING DEVICE.

1,064,545.

Specification of Letters Patent.

Patented June 10, 1913.

Application filed May 11, 1907. Serial No. 373,128.

To all whom it may concern:

Be it known that I, JOHN G. ROTE, a citizen of the United States, residing in Brookline, county of Norfolk, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Blade-Holding Devices, of which the following is a full, clear, and exact specification.

My invention relates to a device for holding razor blades and clamping the same securely in position therein, so that the cutting edge is exposed, and it is particularly adaptable for use in holding thin, separable razor blades, such as are used in safety razors, for the purpose of stropping the said blades, and has the advantage of exposing both edges of the blade simultaneously. It may also be employed, if desired, for the purpose of holding a razor blade for use in shaving.

The object of the invention is to provide a neat and compact device wherein such flat blades may be clamped and securely held, and it consists in a blade support which I have shown as integral with the handle, and which is equipped with means for attaching a blade thereto, and a clamping member which is attached to said support and which, being closed upon the blade, is locked in place by a suitable latch.

My invention also consists of sundry details of construction hereinafter described and particularly pointed out in the accompanying drawings, wherein—

Figure 1 is a plan view of my device showing a blade in position thereon; Fig. 2 a side view of the device; Fig. 3 a view similar to Fig. 1, showing the clamping member swung sidewise; Fig. 4 a detail view, partly in section, of the latch; Fig. 5 a cross-section on the line 5—5 of Fig. 3; Fig. 6 a detail longitudinal view, partly in section, on the line 6—6 of Fig. 4.

My improved device is constructed with a handle 1, to which it is securely attached so as to be substantially integral therewith, a blade-holding arm 2, upon the upper surface of which are blade-retaining lugs 3. These lugs are designed to enter the perforations with which some forms of safety razor blades are provided, for the purpose of attaching the said blade to the blade support, and they may be differently arranged for the purpose of holding different varieties of blades, and, as illustrated, show merely

one means by which the blade may be attached to the blade support. Mounted upon the outer end of the blade support 2, is a laterally-swinging clamping member 4, which is pivoted to the said blade support by pivot 5. This clamping member is formed with inwardly-extending, lug-receiving slots 6, which permit the lugs to pass within the said clamping member as it is swung to place, so as to provide a flush outer surface. While I have shown the said clamping member 4 as swinging laterally, this is not essential to its operation, and it might as well swing in another direction and be attached to the blade support in any manner within the skill of the mechanic, and the lug-receiving slots may be differently constructed, their function being merely to receive the tops of the retaining lugs and prevent the loss of the blade.

Upon a convenient place I have located a latch or lock for retaining the clamping member in position when the device is closed. As shown, this consists of a longitudinally-sliding, locking plate 7, which is received and slides in a channel in the handle, and is provided with flanges 8 on each side, which pass under shoulders 9 formed upon the sides of said channel and hold the latch in position. The latch is spring-pressed by a suitable spring, such as 10, which may be mounted at the rear of the channel and will tend to press the latch outward. This spring may be a coiled spring, as shown, or any suitable spring may be used.

The outer end of the latch 7 has a projecting portion 11, which passes over the clamping member and assists in maintaining the same in position. The projecting portion 11 constitutes an engaging member which in the illustration is rigid with one of the arms, namely the support, for engaging the other arm, the clamping member, and preventing outward movement of one arm relative to the other in a direction vertical to the blade-seat which is carried by the arms and the blade which will be clamped between the same. This is particularly useful for resisting the tendency of the blades while being operated upon by the honing or stropping devices to force the arms apart in a direction vertical to the face of the blade or to the blade-seat upon the arms. The clamping member, on its

inner end 13, is provided with a notch 12, and the latch and inner end of the clamping member are so proportioned that as the clamping member swings in, the latch will be depressed, and this I have shown as being accomplished by a bevel imparted to the inner end 13 of the clamping member, which causes the said bevel end 13 to engage the latch as the clamping member is swung home, and depress the same until the clamping member is in position, whereupon the spring will press the latch outwardly and cause it to enter notch 12.

Suitable means may be provided, as, for instance, by stud 14, for easily manipulating the clamping member, and a similar stud 15 is likewise provided upon the surface of the latch for retracting the same. In Figs. 1 and 3 I have shown the blade 16 in position upon the blade support, and this blade is provided with perforations which fit the retaining lugs and enable the blade to be firmly and securely held in place when the clamping member is closed.

By means of the foregoing construction it will be apparent that the blade is clamped and securely held in such position that both edges thereof may be used for stropping or shaving.

It is obvious that modifications and changes may be made in the exact construction shown and described without departing from the spirit of the invention, and I do not intend to limit myself to the specific form shown, but

What I claim and desire to secure by Letters Patent is:

1. A razor-blade holding device comprising a blade support, means for attaching the blade thereto, a laterally-swinging clamping member pivotally attached to said support, and a spring-pressed latch upon said device for locking said clamp in place, substantially as described.

2. A razor-blade holding device comprising a blade support, means for attaching the blade thereto, a laterally-swinging clamping

member pivotally attached to said support, and a spring-pressed, longitudinally-sliding latch upon said device for locking said clamp in place, substantially as described.

3. A razor-blade holding device comprising a blade support, blade-retaining lugs thereon, a clamping plate attached to said blade support and recessed to receive the heads of said lugs, and a spring-pressed, sliding latch entering a notch on said clamp to lock the same to the support, substantially as described.

4. A razor-blade holding device comprising a handle, an integral extension thereof forming a blade support, blade-retaining lugs thereon, a laterally-swinging clamping member pivotally mounted upon said blade support, and recessed to receive the heads of said lugs, and a spring-pressed latch automatically locking said clamping member to said support upon the closing of the parts, substantially as described.

5. A razor-blade-holding device for a double-edge blade, comprising two arms, each provided with a flat blade-seat and pivotally connected together for relative movement in the plane of the blade-seat, blade-retaining lugs upon one of said arms, the other arm having slots for receiving said lugs, the parts being so constructed and adapted that when clamped together upon a blade the same will be firmly held and both of its edges exposed, an engaging member carried by one arm for overlying the end of the other arm for preventing separation of the arms in a direction vertical to the blade-seat, and locking means for securing said arms against relative movement about the pivot.

In testimony whereof, I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN G. ROTE.

Witnesses:

JULIA A. DONOVAN,
A. A. BILNES.