Dec. 5, 1933. O. W. MacFARLANE 1,938,189

MAGAZINE BLADE HOLDER

Filed June 9, 1933

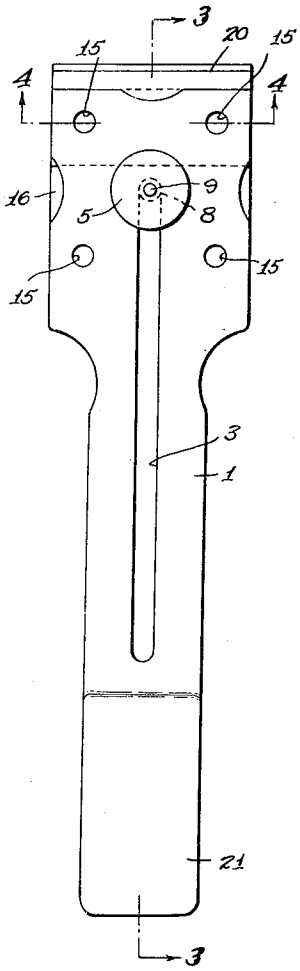


Fig. 1.

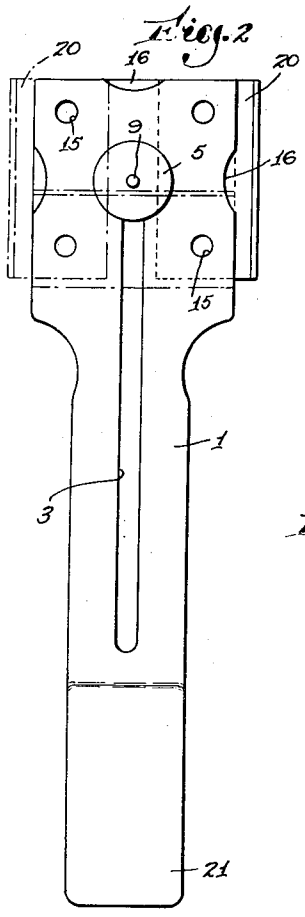


Fig. 2.

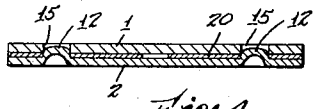


Fig. 4.

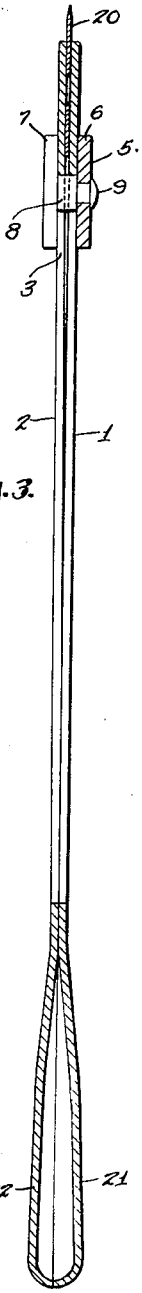
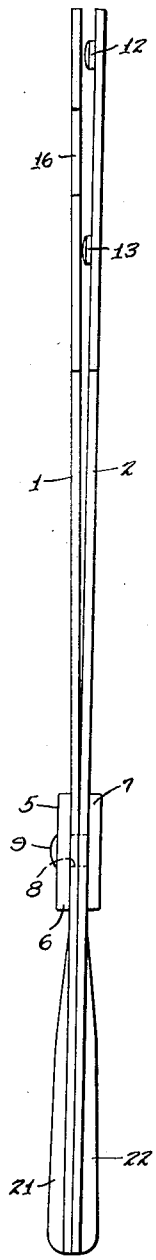


Fig. 3.

Fig. 5.



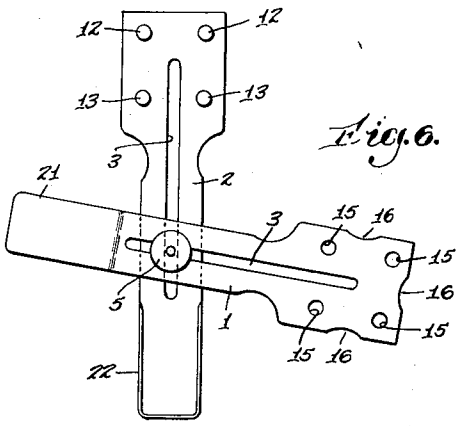


Fig. 6.

Inventor
Oren W. MacFarlane
by James R. Hodder
Attorney

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UNITED STATES PATENT OFFICE

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MAGAZINE BLADE HOLDER

Oren W. MacFarlane, Boston, Mass.

Application June 9, 1933. Serial No. 675,039

1 Claim. (Cl. 30—25)

My present invention is a novel and improved device for holding in various adjusted positions a cutting blade, or the like, and also for carrying a plurality of such blades.

Heretofore, various efforts have been made to provide a convenient portable holder to which disused safety razor blades might be applied and held in position for use. Such prior devices, however, have been objectionable in many ways, either in their being complex and expensive in construction, or being entirely too flimsy to hold such a blade properly, or to require entire dismemberment by the utilization of screw-driver, or the like, when removing or placing the blade, or changing it in the holder.

My present invention is directed to obviate the difficulties heretofore found in devices of this kind and to provide a novel, efficient, sturdy, strong, and quickly adjustable holder with ready capacity for changing a blade independently of any adjusting screws, screw-drivers, or the like.

In carrying out my invention I provide a conveniently formed and shaped handle member with capacity for holding a blade at either side or at the working end of the implement, and with means to clamp and hold the blade in position by the simple sliding action of a button-like member.

Also, I provide in the end of the handle portion an enlarged recess suitable for holding a plurality of spare blades. By a simple sliding movement of the clamping button I am enabled to release a blade already clamped, position the same at either side or front of the implement, and reclamp the blade or replace with a new one by sliding the button-like clamp member, thus quickly holding the tool and implement in desired working position.

Also, I may similarly slide the button to release a blade from the magazine recess or holder in the handle portion, or to move a blade into protecting position with its edge within the implement end for carrying, if desired.

Referring to the drawing illustrating a preferred embodiment of the invention,

Fig. 1 is a plan view of my improved holder showing the blade at the end of the implement in working position;

Fig. 2 is a corresponding plan view showing the blade at one side, viz. the right, and illustrating in dotted line the position of the blade at the left of the implement;

Fig. 3 is an enlarged cross-sectional view on the line 3—3 of Fig. 1;

Fig. 4 is an enlarged cross-sectional view on the line 4—4 of Fig. 1;

Fig. 5 is an enlarged side view illustrating the holder with the clamp in releasing position and the holder partly "sprung" open to receive a blade, and

Fig. 6 is a plan view showing the utilization of the clamp as a pivot on which the two portions of the handle may be swung for opening, particularly to release a blade from the magazine end.

As shown in the drawing, my novel and improved device comprises a pair of cooperating metallic handle or holder members 1 and 2, each formed with a central slot 3 in which a sliding clamping button 5 is fitted. This clamp 5 is formed with an opposite pair of clamping members 6 and 7 engaging the outer sides of the holders 1 and 2 and with a central stud 8 adapted to traverse the slots 3. The members 6 and 7 may be united by forming the stud 8 on one of the members, such as 7, and having a projecting portion 9 adapted to extend through a central recess in the opposite clamp 6 and headed thereon, as clearly shown in Fig. 3.

One of the handle members, viz. 2 as here shown, is formed with a plurality of projecting studs 12—12 and 13—13, and the opposite member 1 is provided with correspondingly positioned openings 15—15, which latter register with the studs 12—12 and 13—13 when the members 1 and 2 are in alignment. Preferably also on one of the members, here shown as 1, I form handles 16—16 to facilitate the opening and separating of the two portions 1 and 2 when removing, replacing, or positioning a cutting blade 20. These blades may conveniently be the usual type of safety razor blade, which can be had in great numbers and at slight expense, and afford an extremely fine cutting tool.

The studs 12 and 13 and the cooperating recesses 15 are spaced to fit on the usual safety razor blade and so positioned that the blade 20 may be fitted across the studs 12—12 at the end of the implement and thereupon clamped in position or may be fitted at either side across a stud 12 and 13 and thereupon clamped in position.

As indicated in dotted lines in Fig. 1, the blade 20 when positioned on the studs 15—15 is held with the cutting edge, or edges, in protected position.

The sliding action of the clamp 5 effects the locking and clamping by a simple movement of the slide 5 in the slots 3. Preferably, also, I so form the members 1 and 2 that they will have a normal "spring" part, as shown in Fig. 5, when

the clamp 5 is moved to the lowermost portion of the slot 3, which still further facilitates the fitting and positioning of the blade in any desired location, either at the end, or the right or left of the implement end of the device.

In order to provide a convenient holder for a plurality of blades 30, as well also to provide a better handle gripping portion, I form the end of each member 1 and 2 opposite to the implement holding member slightly cupped or expanded, as shown at 21 and 22 so that these portions together form a recess of considerable size to hold a substantial number of spare blades as a magazine holder for the implement end. Partial separation of the parts 1 and 2 and partial rotation of the same on the sliding clamp 5, when the clamp is in releasing position, will facilitate the extraction of an extra blade from the magazine end and without losing the others.

It will be appreciated that I have devised an extremely simple, efficient, strong, sturdy, and useful holder and handle for using detachable blades, and the quick clamping action through the sliding member 5, as well as the magazine feature, is believed to be a distinct novelty in this art and is intended to be claimed herein broadly.

I claim:

A combined blade holder and magazine carrier, comprising a pair of cooperating handle portions, having means at one end to lock and hold a cutting blade in adjusted position at the end or side and capacity to hold a plurality of supporting cutting blades at the opposite end portion, in combination with a sliding pivot and clamp upon which pivot the handle portions may be rotated to facilitate removal of a spare blade from the handle end, and the sliding action of the pivot clamp serving to lock a blade in working position at the implement end.

OREN W. MacFARLANE.