

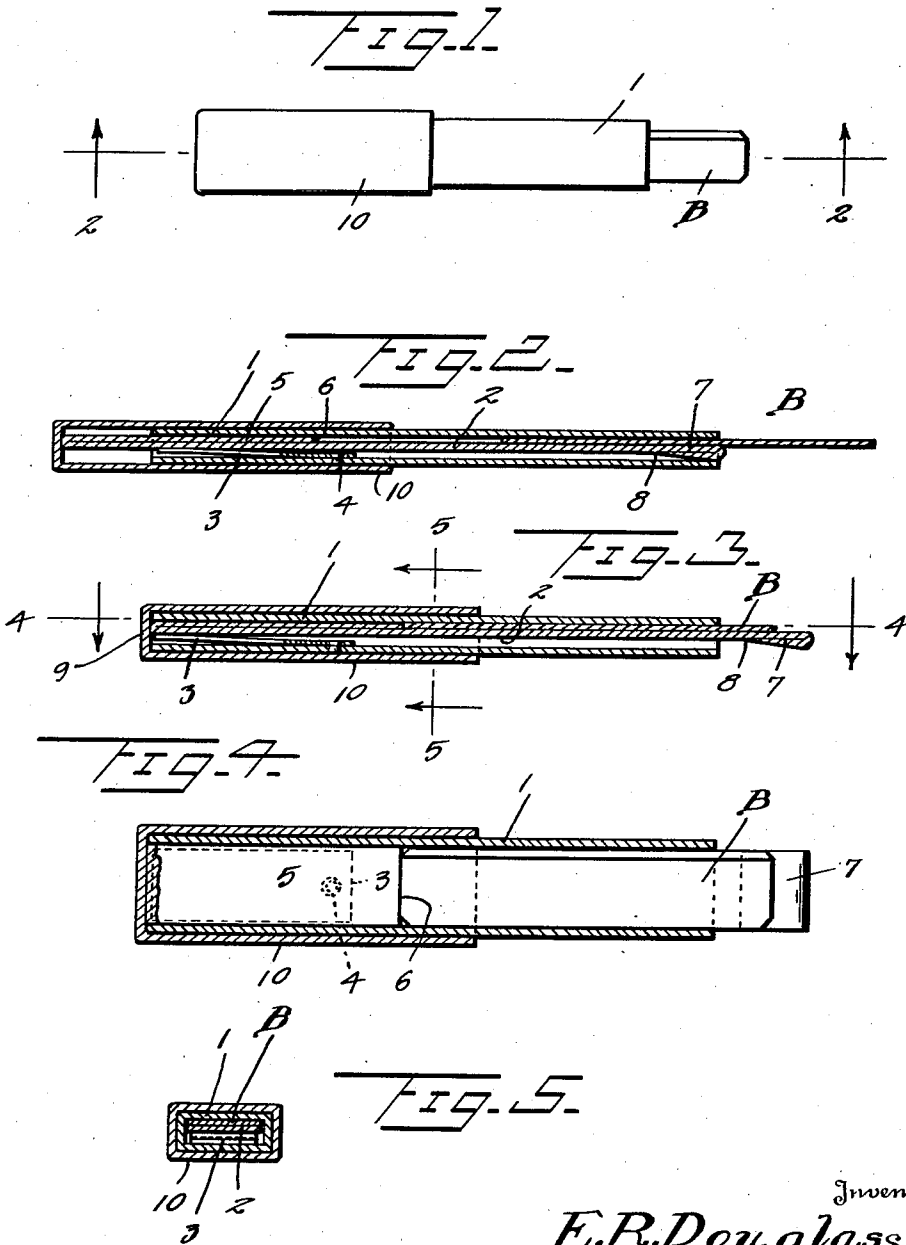
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BLADE HOLDER

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BLADE HOLDER

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4 Claims. (Cl. 30—162)

This invention relates to a blade holder, and it is an object of the invention to provide a device of this kind wherein the blade, such as a single edge razor blade, may be readily extended a desired distance out from the holder and effectively held in said selected extended position and wherein the holder provides a casing for housing the blade when not in use.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved blade holder whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:

Figure 1 is a view in side elevation of a holder constructed in accordance with an embodiment of my invention with the associated blade extended for use;

Figure 2 is a sectional view taken substantially on the line 2—2 of Figure 1;

Figure 3 is a view substantially the same as Figure 2 but showing the parts in their fully compacted relation;

Figure 4 is a sectional view taken substantially on the line 4—4 of Figure 3;

Figure 5 is a sectional view taken substantially on the line 5—5 of Figure 4.

As disclosed in the accompanying drawing, my improved holder comprises an elongated sheathing or casing 1 substantially flat in form and which has its opposite end portions open. Slidable through the casing 1 is an elongated flat member 2 of a width substantially equal to the internal width of the casing 1 and in the present embodiment of my invention the portion of the member 2 within the casing 1 has bearing thereagainst the free end portion of an elongated leaf spring 3. This spring 3 has one end portion anchored, as at 4, to a wall of the casing 1 with the free end portion thereof disposed toward what may be termed the rear or outer end of the casing. This spring 3 serves to provide means whereby the member 2 is forced against a wall of the casing 1 under sufficient tension to create a frictional resistance to normally hold the member 2 against endwise movement through the casing 1 but permitting such

endwise movement of the member 2 when requisite strain or stress is imposed thereon.

The member 2 is of a desired length in excess of the length of the casing 1 and in the present embodiment of the invention the member 2 is formed from an elongated flat strip of material having one end portion returned to overlie and have close contact with the main portion of the strip, as indicated at 5, whereby is provided across the member 2 a forwardly facing shoulder 6.

The forward end of the strip is also returned, as at 7, for a slight distance whereby the front end of the member 2 is of increased thickness and the inner extremity of the returned portion 7 is beveled, as at 8, to facilitate the entrance of the thickened forward portion of the member 2 within the casing 1. The rear extremity of the member 2 is suitably anchored, as by solder or otherwise as may be preferred, to the outer closed end 9 of an elongated sleeve 10 in which is snugly engaged the rear portion of the casing 1. The returned portions 5 and 7 as comprised in the member 2 as herein embodied may be soldered or otherwise securely held to the main or body portion of the strip.

The cutting blade B, as herein disclosed, is an elongated single edge razor blade although I do not wish to be understood as limiting myself to any type of blade other than such blade be of requisite dimensions for effective use with the holder. The blade is inserted within the forward or front end of the casing 1 between the member 2 and the side wall of the casing 1. When the member 2 has its forward end portion extended as illustrated in Figure 3, as is the case when the holder is fully compacted, the blade B will extend a major distance within the casing 1 with its inserted end butting the shoulder 6. By imposing pull upon either the sleeve 10 or the casing 1 the entire blade B may be housed within the casing 1 and as the thickened forward end portion 7 of the member 2 enters the casing 1 the blade B will be effectively clamped against release.

When it is desired to use the blade B the casing 1 and the member 2 are relatively moved outwardly one with respect to the other until the blade B is projected as desired beyond the forward end of the casing 1 whereupon upon inward movement of the member 2 within the casing 1, the thickened end portion 7 of the member 2 will enter the casing 1 with a resultant tight clamping of the blade B in its desired extended position. It is believed to be obvious that when it is

desired to release the blade B it is only necessary to move the thickened end portion 7 of the member 2 outwardly beyond the casing whereupon the blade B may readily return within the casing 1 for contact with the shoulder 6.

From the foregoing description it is thought to be obvious that a blade holder constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:

1. A holder for a knife blade comprising a casing open at both ends, an elongated member snugly fitting within the casing and having sliding movement therethrough, said member being of a length in excess of the length of the casing, one end portion of the member being of increased thickness to coact with a wall of the casing when said extremity is moved within the casing to clamp a cutting blade between said wall of the casing and the thickened extremity of the member.

2. A holder for a knife blade comprising a casing open at both ends, an elongated member snugly fitting within the casing and having sliding movement therethrough, said member being of a length in excess of the length of the casing, one end portion of the member being of increased thickness to coact with a wall of the casing when said extremity is moved within the

casing to clamp a cutting blade between said wall of the casing and the thickened extremity of the member, said member at a point intermediate its ends being provided with a transversely disposed shoulder facing toward the thickened extremity of the member, said shoulder providing means for engagement with the blade to move said blade outwardly of the casing.

3. A holder for a knife blade comprising a casing open at both ends, an elongated member snugly fitting within the casing and having sliding movement therethrough, said member being of a length in excess of the length of the casing, one end portion of the member being of increased thickness to coact with a wall of the casing when said extremity is moved within the casing to clamp a cutting blade between said wall of the casing and the thickened extremity of the member, and a spring within the casing secured to one wall thereof and contacting with the portion of the member within the casing to frictionally engage said portion of the member with a second wall of the casing.

4. A holder for a knife blade comprising a casing open at both ends, an elongated member snugly fitting within the casing and having sliding movement therethrough, said member being of a length in excess of the length of the casing, one end portion of the member being of increased thickness to coact with a wall of the casing when said extremity is moved within the casing to clamp a cutting blade between said wall of the casing and the thickened extremity of the member, and a sleeve carried by the end portion of the member remote from the thickened extremity thereof, the casing being snugly and slidably received within the sleeve.

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