May 4, 1926. 1,583,013

E. J. SAWTELLE

HOLDER FOR SAFETY RAZOR BLADES

Filed Oct. 1, 1923

Fig. 1.

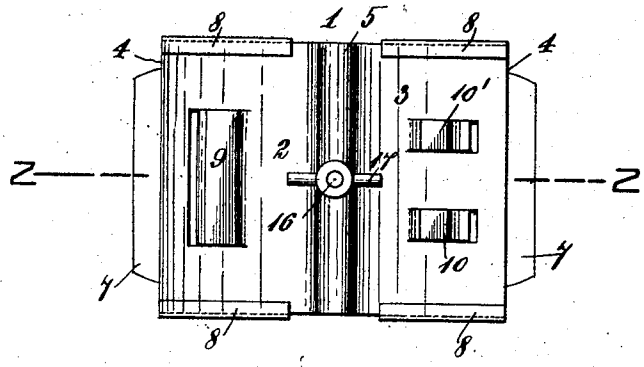


Fig. 2.

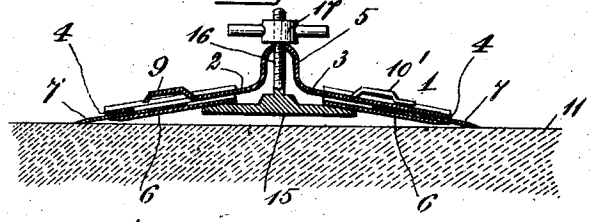


Fig. 3.

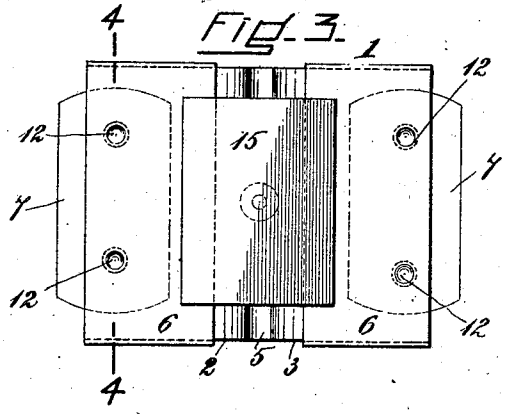


Fig. 4.



INVENTOR:
Edward J. Sawtelle
By Cralle & Hayes
ATTORNEYS:

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EDWARD J. SAWTELLE, OF SOMERSWORTH, NEW HAMPSHIRE.

HOLDER FOR SAFETY-RAZOR BLADES.

Application filed October 1, 1923. Serial No. 665,757.

To all whom it may concern:

Be it known that I, EDWARD J. SAWTELLE, a citizen of the United States, residing at Somersworth, in the county of Strafford and the State of New Hampshire, have invented a new and useful Improvement in a Holder for Safety-Razor Blades, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in explaining its nature.

The present invention relates to a holder for safety razor blades and the object of the invention is to provide a holder by which the blades may conveniently be held in proper position for honing.

The invention can best be seen and understood by reference to the drawings in which—

Fig. 1 is a plan of the upper or top side of the holder,

Fig. 2 is a cross section on the line 2—2 of Fig. 1,

Fig. 3 is a plan of the under side of the holder, and

Fig. 4 is a section on the line 4—4 of Fig. 3.

Referring to the drawings:—

1 represents the body of the holder having sections 2 and 3 respectively, oppositely arranged and in obtuse, angular relationship to one another.

The body is of a generally rectangular form, its sections 2 and 3 each presenting an outer straight edge 4, and which edges 4 of the respective sections are parallel to one another.

Connecting the sections 2 and 3 is a spring connection 5 having the form of an outturned rib or bend and which spring permits a variation in the angular relation of the respective sections 2 and 3 of the body as will later be explained. Sections 2 and 3 of the body and their connecting spring connection 5 are preferably made integral and of some stiff, spring material such as steel.

Carried by the body and preferably by each of its sections, 2 and 3, are various blade-holding members which cooperate with the body to form sockets for holding the blades.

Of these blade-holding members 6, 6 represent members in the form of plates extending beneath the under-faces of the respective sections 2 and 3 and cooperating therewith to form sockets for holding blades 7. The members 6, 6 are fastened to the sections 2 and 3 by flanges 8 on the outer edges of the respective members which loop around the side edges of the respective sections and engage the same with rather a tight fit. Such connection permits of the members being slid onto the sections into a proper position for forming the sockets and holding the blades and permits also of an easy removal of the members for purpose of cleaning.

Other socket forming members for holding blades are formed on the backs of the respective body sections by striking up the metal of these sections to form spring clips raised slightly above the top surface of the section from which the clips are sprung and cooperating therewith to form sockets in which blades may be retained. 9 represents one of these spring clips formed on the section 2 of the body and 10, 10′ represent clips formed on the second 3 thereof. These clips may well vary in form and arrangement for holding different types of blades as, for example, the clip 9 has a bent form for receiving a blade, not shown, having a rib along its back while the clips 10, 10′ are arranged to receive a relatively long blade.

In whatever socket a blade is maintained, the blade will be held securely in place with the cutting edge of the blade projecting beyond the adjacent outer edge of the holder and in proper position for honing when the holder and blade or blades carried by it is applied to a hone. An illustration of this is shown in Fig. 2 where a holder with blades therein is applied to a hone 11. For assisting in the retention of blades 7 contained within the sockets formed between the members 6 and the adjacent body sections, the members 6 are provided with indented, raised projections 12 which enter openings 13 contained within the socketed blade, the usual form of blade which would set within such a socket thus provided being usually provided with holes or openings 13 within it.

With a holder as thus far described, not only may the razor blades be conveniently held within the holder but they may also be maintained at just the angle for a proper honing of the edges thereof. In this last connection provision is made whereby the degree of angularity between the two sections of the body may be changed, thereby changing the angle which either section makes with the honing surface and accordingly the

angle which the blade, held on either section, makes with the surface of the hone. To this end there is provided a spreader-plate 15 arranged on the under side of the holder and in the angle between the two sections thereof with bearing against said sections. The adjusting plate is preferably rectangular in form, its opposite side edges presenting a long bearing surface and the plate is made of some stiff and inflexible material. Attached to the plate and extending up through the rib 5 on the back of the holder is a screw 16 and arranged upon this screw is a nut 17 which tightens against the rib as the screw is turned. By the tightening of the screw the adjusting plate will be drawn with varying degrees of pressure against the two sections of the holder thereby spreading these sections to assume any desired degree of angularity with relation to one another and then maintaining the sections thus angularly positioned. The body, comprising its two sections and their spring connections is preferably made so that the degree of angularity between the two sections will be less than that to be attained for a proper holding of the razor blades in relation to the hone and afterwards the proper angularity between the two sections is obtained through the movement of the adjusting plate by means of the tightening screw. The adjusting plate in addition to the function above described has bearing against the socket forming members 6, 6 and accordingly when tightened assists in the retention of these members.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States:

1. A razor blade holder comprising a blade-carrying body having sections arranged at an obtuse angle with relation to one another and a spring connection between said sections, said body presenting opposite free edges parallelly arranged, blade-supporting means for holding a blade upon said body with the outer edge of the blade projecting beyond the free edge of the body, a spreader plate in the angle between said sections with edges bearing against the respective sections, and means connecting with the spreader plate through said body for varying the position of the spreader plate with relation to the body whereby the angle between the sections may be varied and the sections be maintained in a determinate adjusted position.

2. A razor blade holder comprising a blade-carrying body having sections arranged at an obtuse angle with relation to one another and a raised rib connecting said sections, said body presenting opposite free edges parallelly arranged, blade-supporting means for holding a blade upon said body with the outer edge of the blade projecting beyond the free edge of the body, a spreader plate in the angle between said sections with edges bearing against the respective sections, and means connecting with the spreader plate through said rib for varying the position of the spreader plate with relation to the body whereby the angle between the sections may be varied and the sections be maintained in a determinate adjusted position.

3. A razor blade holder having a body with sections oppositely disposed to occupy an obtuse angular arrangement with relation to one another and with a raised rib forming a spring connection between said sections, said body presenting opposite free edges parallelly arranged, blade-supporting means for holding a blade upon said body with the outer edge of the blade projecting beyond the free edge of the body, a spreader plate arranged in the angle between said sections and bearing against the same respectively, a threaded member extending from said spreader plate upwardly through said raised rib, and a tightening nut on said threaded member engaging said rib.

EDWARD J. SAWTELLE.