No. 879,446. PATENTED FEB. 18, 1908.

E. J. DENEEN.

HOLDER FOR SAFETY RAZOR BLADES.

APPLICATION FILED JUNE 30, 1906.

Fig. 1.

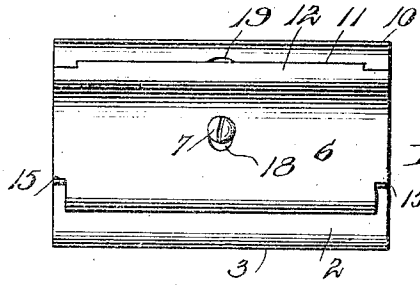


Fig. 2.

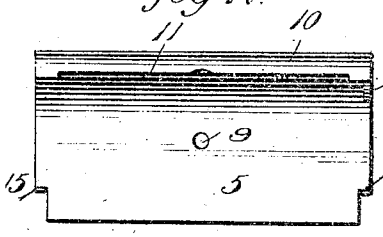


Fig. 3.

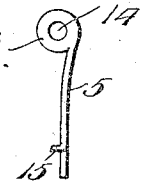


Fig. 4.

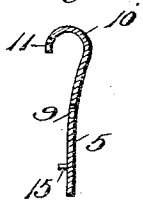


Fig. 5.

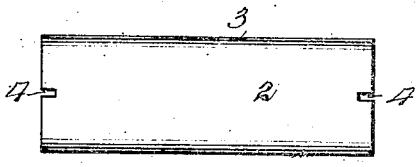


Fig. 7.



Fig. 6.

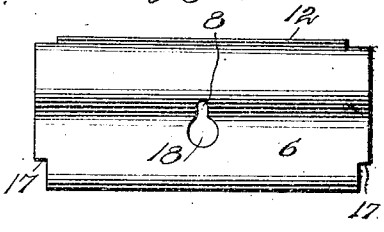
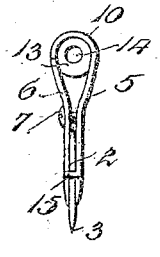


Fig. 8.



Witnesses
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UNITED STATES PATENT OFFICE.

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HOLDER FOR SAFETY-RAZOR BLADES.

No. 879,446. Specification of Letters Patent. Patented Feb. 18, 1908.

Application filed June 30, 1906. Serial No. 324,256.

To all whom it may concern:

Be it known that I, EDWARD J. DENEEN, a citizen of the United States, residing at Oneida, in the county of Madison and State of New York, have invented new and useful Improvements in Holders for Safety-Razor Blades, of which the following is a specification.

My invention relates to holders for safety razor blades, and its primary object is to provide a device of this character by means of which a safety razor blade may be manipulated to sharpen it either upon a strop or hone.

With the above and other objects in view, the invention consists of the construction, combination and arrangement of parts hereinafter fully described, claimed and illustrated in the accompanying drawings, wherein:

Figure 1 is a front elevation of a holder constructed in accordance with my invention. Fig. 2 is a front elevation of the rear plate of the holder. Fig. 3 is an end elevation of the rear plate. Fig. 4 is a central transverse section of the rear plate. Fig. 5 is a front elevation of the blade. Fig. 6 is a front elevation of the front plate of the holder. Fig. 7 is an end elevation of the front plate, and Fig. 8 is an end elevation of the holder.

Referring to the drawings by reference numerals, 2 designates a blade which is constructed of very thin sheet steel, and which is provided with two opposite cutting edges 3. The blade is further provided with slots 4 which open out through its transverse edges. A blade of this construction may be used in connection with any of the well known holders for shaving purposes and is designed especially to be used in connection with my improved holder by which it may be manipulated to sharpen it on a strop or hone.

My improved holder comprises a rear plate 5 and a front plate 6, which are secured together to clamp the blade between them by a bolt 7, said bolt passing freely through an opening 8 in the front plate 6 and threadedly engaging the wall of an opening 9 in the rear plate 5. The plates at a point above the openings therein are bent outwardly and upwardly, as fully disclosed in Fig. 8 of the drawings, while those portions located below the openings are arranged parallel to each other. The plate 5 has a transverse extent greater than that of the plate 6 and the upper portion thereof is bent downwardly to provide the back 10 of the holder, a portion of the edge of which is removed to provide a recess 11 for the reception of a tongue 12 formed upon the upper end of the plate 6. The location of the tongue in the recess prevents the plates from having any independent longitudinal movement. The rear plate 5 is provided at one of its upper ends with an annular member 13 disposed at right angles with relation thereto and located within the back of the holder, said member being provided with an opening 14 having its wall threaded to permit the holder to be provided with a suitable handle by which it may be manipulated. The rear plate 5 is slitted vertically adjacent its sides to permit portions of the plate to be disposed horizontally to provide blade and front plate supporting members 15. The lower opposite corners of the plate 6 are removed to provide shoulders 17 designed to rest upon the members 15, which also prevent the plates from having any independent longitudinal movement.

The front plate 6 having been removed, the blade 2 is mounted upon the members 15, which are received by the slots 4, said members being arranged to support the blade at a distance sufficiently below the openings 8 and 9 to permit the application of the bolt 7 without injuring either sharpened edge of the blade. After the blade has been mounted upon the members 15, the plates are assembled by positioning the shoulders 17 upon the members 15, after which the tongue 12 is moved into the recess 11. After the plates have been thus assembled, the bolt 7 is applied to bind the blade firmly between them.

It is desired to permit the removal of the front plate 6 without entirely removing the bolt 7 in order to prevent the bolt from being lost, and in order to permit this, the opening 8 in the plate 6 is provided with an enlarged portion 18, which is of a size to permit the head of the bolt 7 to be freely withdrawn therethrough. To remove the front plate 6, the bolt 7 is loosened, after which the plate is tilted upon the members 15 by an instrument inserted in the recess 19 above the tongue. By thus tilting the plate, it may be moved upward to position the opening 8 to permit the head of the bolt to be withdrawn therethrough.

Having fully described and illustrated my invention, what I claim is:

1. A razor blade holder comprising a rear plate provided with a recess and horizontal

members, a blade supported by said members, a front plate provided with a tongue fitting in said recess and cut-a-way to provide shoulders resting upon the horizontal members, said front plate being provided with an opening having an enlarged portion, and a bolt passing through the opening and threadedly engaging the opening in the rear plate to clamp the blade between the plates.

2. A razor blade holder comprising a rear plate provided with a blade supporting member and having its upper end bent to provide a back, said back being provided with a recess, a front plate provided with a tongue adapted to fit in said recess, and means adapted to clamp a blade between the plates.

3. A razor blade holder comprising a rear plate provided with a threaded opening and with a blade supporting member, the upper end of said plate being formed to provide a back having a recess, a front plate provided with an opening having an enlarged portion, said plate being adapted to be supported by said member and to engage in said recess, and a screw passing through the opening in the front plate and threadedly engaging the opening in the rear plate, said enlarged portion of the opening permitting the removal of the front plate without the removal of the screw.

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

EDWARD J. DENEEN.

Witnesses:
WM. I. VAYO,
WM. KASTNER.