July 22, 1924. 1,502,627

E. W. HAMMOND

BLADE HOLDER

Filed March 23, 1923

Fig. 1.

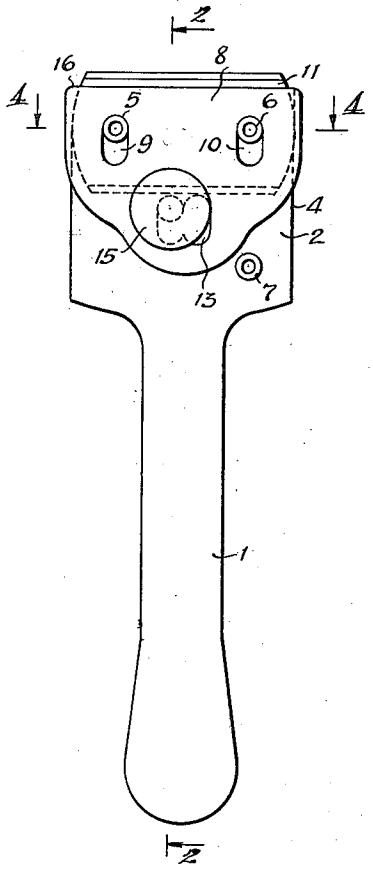


Fig. 2.

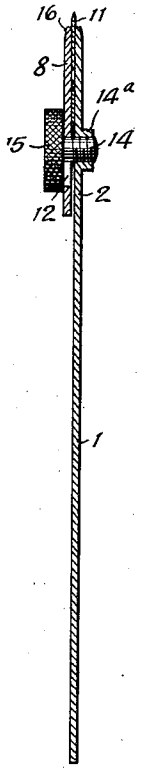


Fig. 3.

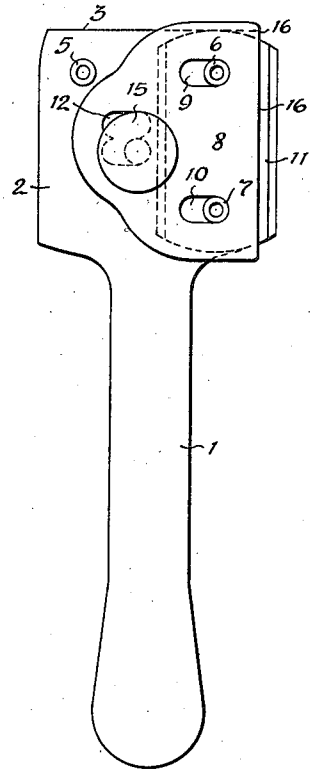


Fig. 4.

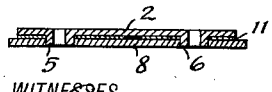


Fig. 5.

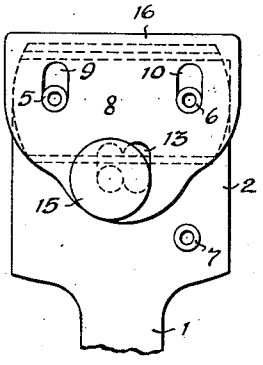
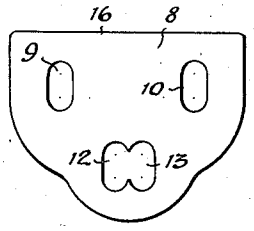


Fig. 6.



WITNESSES

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UNITED STATES PATENT OFFICE.

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BLADE HOLDER.

Application filed March 23, 1923. Serial No. 627,159.

To all whom it may concern:

Be it known that I, EDWARD W. HAMMOND, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Blade Holder, of which the following is a full, clear, and exact description.

This invention relates to a blade holder, and has particular reference to one which is adaptable to use with safety razor blades for various purposes.

An object of the invention is to provide a simple and efficient blade holder composed of a minimum number of simple parts capable of being economically manufactured and assembled and which will co-operate with a safety razor blade to permit the device to be used for several purposes, such as scraping wood, glass and similar surfaces, for ripping and cutting seams, and in which the various positions of the blade can be determined at will with extreme ease.

Another object is to provide a simple means whereby the blade is protected when not in actual use, to prevent it from being dulled or chipped and also to prevent one's hand from coming in contact with it.

The invention is illustrated in the drawings, of which—

Figure 1 is an elevation of the blade holder;

Fig. 2 is a section taken on the line 2—2 of Fig. 1;

Fig. 3 is an elevation of the device with the blade shown in a different position;

Fig. 4 is a section taken on the line 4—4 of Fig. 1;

Fig. 5 is a partial elevation showing the guard plate in operative position; and

Fig. 6 is an elevation of the guard plate by itself.

The form of the invention shown in the drawings is a preferred form, although it is understood that modifications in the construction and arrangement of the parts and in the character of the materials used may be adopted without departing from the spirit of the invention.

As illustrated in the drawings, which show only one but a preferred form, the invention comprises, preferably, a handle portion 1 and a head plate 2 made of one piece of material, this head plate having a front edge 3 and a lateral edge 4. Formed preferably out of metal or material of the plate 2 are three studs 5, 6 and 7. Studs 5 and 6 are arranged parallel and adjacent the edge 3, and studs 6 and 7 are parallel and adjacent to the edge 4. These studs are adapted to project through the usual apertures provided in a razor blade, which I have designated by the numeral 11, and also to project into suitable slots in a clamping plate 8, said slots being numbered 9 and 10. This clamping plate has also a pair of slots 12 and 13 disposed parallel to each other and side by side so that they open into each other. Through these last two slots the threaded stem 14 of a clamping screw projects. The under side of the head of the plate 2 is provided with a stud 14^a, preferably formed integral therefrom, to receive this stem 14. The screw is provided with a knurled thumb-nut 15 whereby it may be manipulated to tighten the plate 8 against the plate 2. It will be seen that the stem 14 lies in the slot 12 when the plate 8 is in the position to clamp the blade 11 along the edge 3 of the head plate 2, and that the stem lies in the slot 13 when the plate 8 is holding the blade 11 against the edge 4 of the head plate 2. The reason why two slots are used is because of the difference in the dimensions of the head plate when considering the edges 3 and 4. The plate is provided with slots 9 and 10 which permit it to be slid forward as shown in Fig. 5, so that its front edge 16 projects beyond the edge of the blade 11 and thereby protects the blade from being injured and also protects a person's hand from being cut by the blade.

Therefore, it will be seen that this is an extremely simple and efficient device. The device itself is composed of only three parts, namely, the head plate and handle, the clamping plate 8, and the thumb-nut 15. The two plates can be made of any suitable material and can be stamped out, so that their manufacture is extremely economical. The adjustment from one position to another is readily made merely by unloosening the thumb-nut 15, whereupon the plate 8 and the blade can be moved from engagement with the studs 5 and 6 to engagement with the studs 6 and 7.

What I claim is:—

1. A blade holder, which includes a head plate having a front and a lateral edge, three studs formed integrally thereon, two of said studs being disposed parallel to one edge and the third stud being disposed with one

of the first-mentioned studs parallel to the lateral edge, a razor blade having apertures therein to be disposed along either edge in coincidence with the studs, a slidable clamping plate to be disposed against the head plate and the blade to hold the blade in position, and means for clamping the plate against the head plate and the blade, said clamping plate being slotted to permit it being slid forward so that its edge projects beyond the edge of the blade.

2. A blade holder which includes a head plate having a front and a lateral edge, three studs formed integrally thereon, two of said studs being disposed parallel to one edge and the third stud being disposed with one of the first-mentioned studs parallel to the other edge, a razor blade having apertures therein to be disposed along either edge in coincidence with the studs, a slidable clamping plate to be disposed against the head plate and the blade to hold the blade in position, said clamping plate having slots therein through which said studs project, a threaded stem passing through the aperture in said head plate, said clamping plate provided with a pair of adjacent and connected slots to receive said threaded stem, one of said slots adapted to receive said stem when the clamping plate is disposed along one edge of the head plate, the other of said last-mentioned slots adapted to receive the threaded stem when the clamping plate is disposed along the other edge of the head plate, and a thumb nut on said threaded stem the operation of which will cause the movement of the clamping plate against the blade and the head plate to hold them together.

EDWARD WHEELER HAMMOND.