W. H. HARRISS.

BLADE HOLDER.

APPLICATION FILED MAY 31, 1916.

1,245,908. Patented Nov. 6, 1917.

Fig. 1.

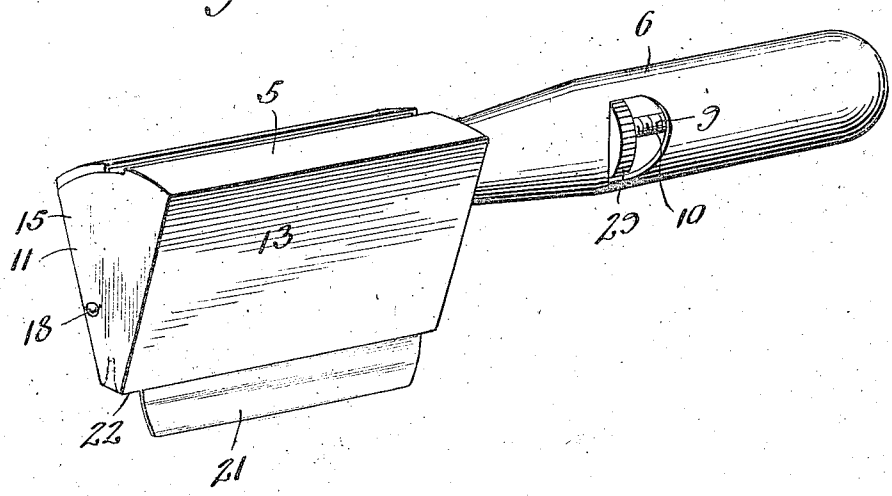


Fig. 2.

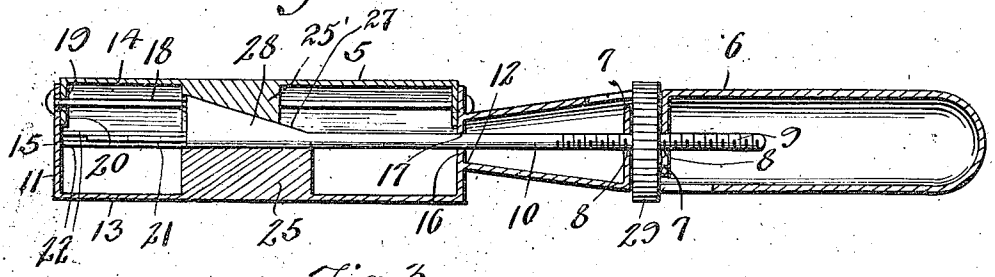
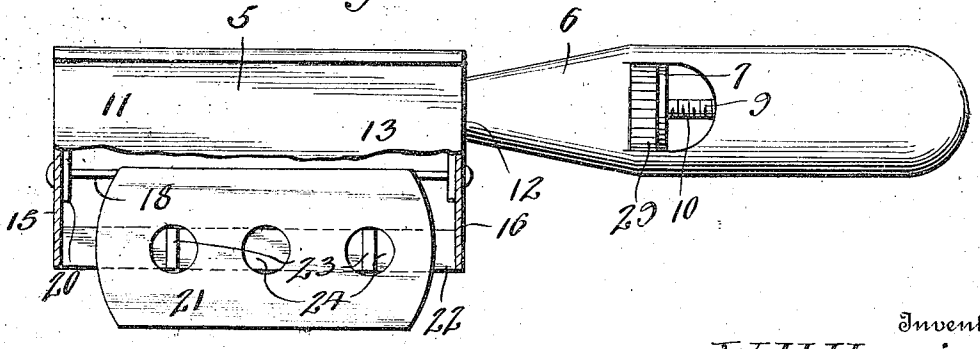


Fig. 3.



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UNITED STATES PATENT OFFICE.

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BLADE-HOLDER.

1,245,908. Specification of Letters Patent. Patented Nov. 6, 1917.

Application filed May 31, 1916. Serial No. 100,818.

To all whom it may concern:

Be it known that I, WADE H. HARRISS, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented new and useful Improvements in Blade-Holders, of which the following is a specification.

This invention relates to blade holders primarily adapted for holding safety razor blades during the stropping action thereof.

The primary object of the invention is the provision of a device of the above stated character which shall be simple in construction, durable in use and which may be manufactured and sold at comparatively low cost, and further so designed to permit of the blades being readily and quickly assembled in the holder and permanently clamped therein to prevent any accidental displacement or movement of the blades from such holder during the stropping thereof.

A still further object of the invention is the provision of a device of the above stated character wherein the jaws constituting the clamp are each provided with a block adapted to be engaged by an operating member, and thereby permanently holding the jaws of the clamp in clamping engagement with the safety razor blade.

With the above and other objects in view, the invention consists in the novel features, details of construction and combination of parts which will hereinafter be more fully set forth, illustrated in the accompanying drawing, and pointed out in the appended claims.

In the drawing:

Figure 1 is a perspective view;

Fig. 2 is a longitudinal sectional view; and

Fig. 3 is a side elevation of the clamp, a portion of which being broken away, clearly illustrating the clamping position of the jaws with the safety razor blade.

Referring more particularly to the accompanying drawing, in which like characters of reference refer to corresponding parts in the several views, 5 denotes the holder generally, which comprises a cylindrical hollow tubular handle 6 preferably constructed from sheet metal, and having the upper portion thereof stamped out and struck inwardly in opposite directions to provide a pair of spaced horizontally disposed bearings 7. Each of said bearings is provided with an opening 8 through which projects the shank portion 9 of an operating member 10. A clamp 11 is carried by the handle 6 and attached to the forward end 12 thereof in any preferred manner. This clamp 11 comprises a fixed member 13 and a movable member 14, each constructed of sheet metal material and the member 13 is provided with apertured angular flanges 15 and 16. The flange 16 of the fixed member is attached to the end 12 of the handle and disposing the aperture 17 thereof in longitudinal alinement with the threaded apertures 8 of the bearings, for operatively receiving the shank of the operating member 10. A pin 18 extends through the openings 19 of the angular flanges and passes through the apertured ears 20 and arranged longitudinally of the movable member 14, thereby pivotally connecting the movable member 14 to the fixed member 13 for lateral swinging movement. Each of the members 13 and 14 are so constructed to adapt a positive clamping of the safety razor blade 21 between the jaws 22 thereof, and the jaw of the movable member 14 is provided with inwardly bent spaced projections 23 adapted, upon the clamping action of the clamp, to protrude through the openings 24 of the razor blade and thereby assisting in firmly holding the blade within the clamp during the stropping or sharpening thereof.

The purpose of providing the operating member 10 is to cause the locking of the blade within the clamp, and to this end, each of the members 13 and 14 have formed on their inner surface, at a point substantially medially of the length thereof, blocks 25 and 25′, the block 25′ disposed on the movable member being wedge-shaped while the block 25 on the stationary member is rectangular in cross section. The block 25′ is provided with a beveled confronting face with which a similarly formed face 27 of the head 28 formed on the free end of the operating member 10 co-acts. Consequently, when it is desired to clamp the blade 21 within the holder, the thumb nut 29 of the operating member is rotated, thus retracting the head 28 thereof into engagement with the confronting faces of the blocks 25 and 25′, causing the movable member 14 to rock in a lateral and inward direction and firmly locking the projections 23 of the clamping jaws 22 within the openings of the blade.

From the foregoing description, taken in connection with the accompanying drawing,

the advantages of construction and of the method of operation will be readily apparent to those skilled in the art to which the invention relates, and while I have described the principles of operation of the invention, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative, and that such changes may be made when desired as are within the scope of the claims appended thereto.

I claim:

1. A razor blade holder embodying a handle, a blade clamping jaw fixed at one end of said handle, a movable blade clamping jaw, a pin extending longitudinally of both jaws for pivotally connecting the movable jaw to the fixed jaw, blocks on the confronting faces of each jaw, an operating rod threadedly connected in said handle, a wedge-shaped head formed on one end of said rod, and means threadedly mounted on the operating rod for causing the wedge-shaped head to co-act with the confronting faces of the blocks to rock the movable jaw laterally and in a direction toward the fixed jaw for clamping between the jaws a razor blade.

2. A razor blade holder embodying a handle, a blade clamping jaw fixed at one end of said handle, a movable blade clamping jaw, a pin extending longitudinally of both jaws for pivotally connecting the movable jaw to the fixed jaw, blocks on the confronting faces of each jaw, an operating rod threadedly connected in said handle, a head formed on one end of said rod, a plurality of laterally extending spaced projections formed on the movable blade clamping jaw, and means threadedly mounted on the operating rod for causing the wedge-shaped head to co-act with the blocks to rock the movable jaw laterally and in a direction toward the fixed jaw for projecting the projections through openings in the razor blade and establishing a clamping action of the blade between the jaws.

In testimony whereof I affix my signature.

WADE H. HARRISS.