

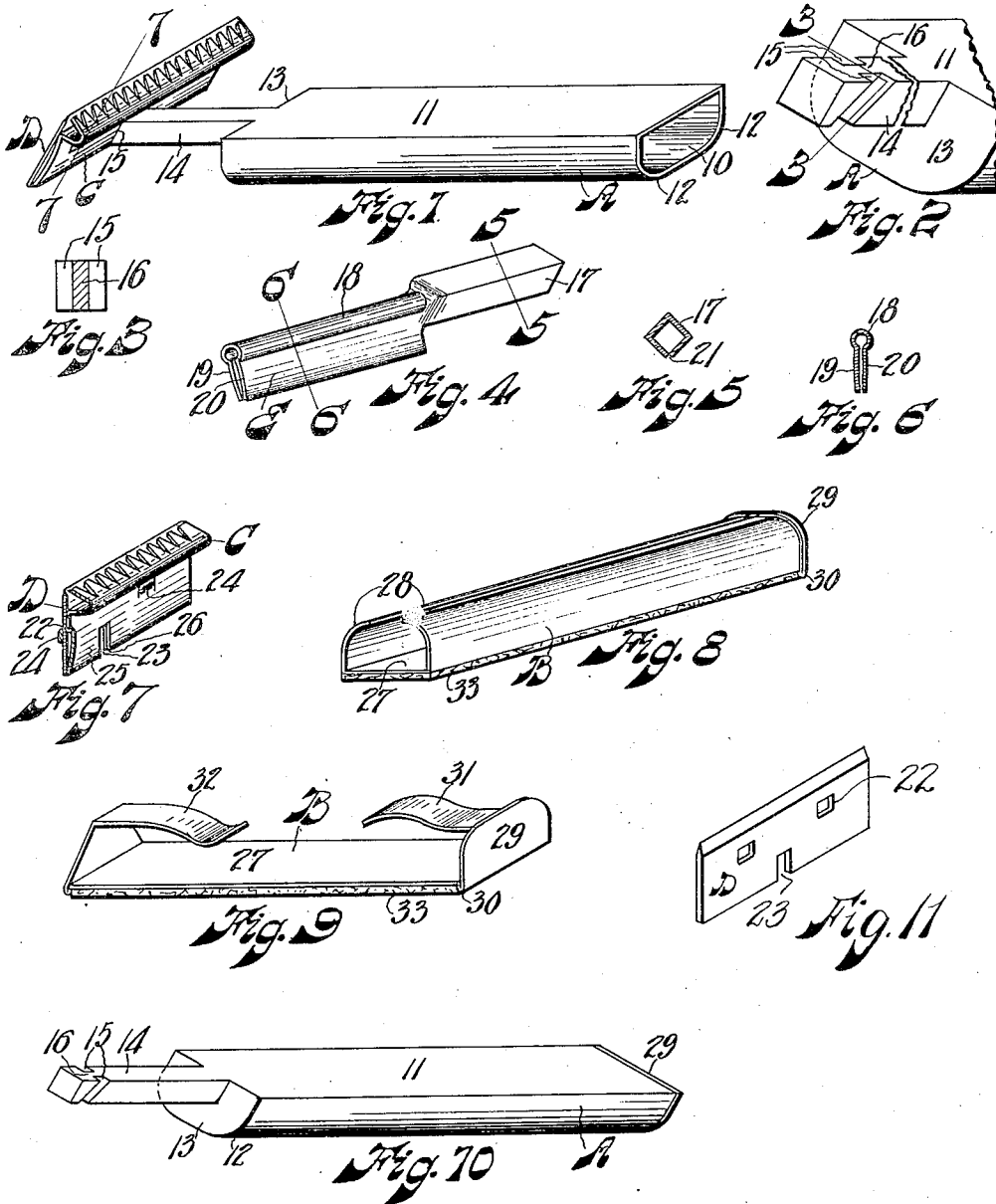
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SHAVING DEVICE

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SHAVING DEVICE

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My invention relates to shaving devices generally and particularly to such devices as have storage facilities for various elements or implements or paraphernalia such as are used in shaving or are useful for shaving and the devices are sufficiently small to be carried in a small pocket as in a vest pocket for instance.

One of the objects of my invention is a simple and inexpensive shaving device having space within itself to store various shaving paraphernalia.

Another object of my invention is a simple and inexpensive shaving device capable of holding various shaving elements or implements or paraphernalia but of sufficiently small size to be easily carried in a small pocket.

Another object of my invention is a simple and inexpensive shaving device in which the shaving elements or implements or paraphernalia are normally inclosed within the device but are readily attachable to and detachable from the outside of the device.

Another object of my invention is a simple and inexpensive shaving device in which the shaving elements or implements or paraphernalia are normally inclosed within the device and which has fixed means on the outside thereof to attach the shaving elements or implements or paraphernalia thereon.

Another object of my invention is a simple and inexpensive shaving device which is practically smooth on the outside but has sufficient means on the outside to support shaving elements or implements or paraphernalia.

Another object of my invention is a simple and inexpensive shaving device which has no springs or swivable or pivoted or otherwise movable members.

Another object of my invention is a simple and inexpensive shaving device capable of storing shaving paraphernalia not usually found in convenient places and capable of permitting the instant use of any or all of the paraphernalia stored in the device without resorting to screws or individually operable lock means or other similar means and without danger of the attached element moving from its position while the device is in use

and also capable of being carried in a small pocket.

Other objects and advantages will appear or become apparent or obvious or suggest themselves during the description of the particular apparatus shown in the accompanying drawings.

Shaving devices are a necessity. Tonsorial parlors are not always available, as in camping or traveling for instance. The usual shaving outfits are cumbersome and require considerable space. The present invention aims to provide a shaving outfit which is so small that it can easily be carried in a vest pocket but which contains the necessary or convenient shaving paraphernalia or at least those which are most essential for shaving and which are not usually found in convenient places.

I have selected a certain device to illustrate my invention and have shown that selected device in the accompanying drawings; it is understood, however, that this device is so shown and hereinafter described for the sole purpose of illustrating my invention and by no means constitutes a limitation of my invention to the particular structure and arrangement so shown and described.

In the accompanying drawings:—

Fig. 1 is a general perspective view of a shaving device embodying the features of my invention and shows the rear end of the handle open to receive the drawer and a razor blade and a guard attached to the stud on the front end of the handle.

Fig. 2 is a perspective view, on a larger scale, of the front end of the device shown in Fig. 1 and shows the relation of the groove means to the stud more clearly.

Fig. 3 is a transverse section taken in a plane indicated by the line 3—3 in Fig. 1 showing the groove means more clearly.

Fig. 4 is a perspective view of a stropping holder.

Fig. 5 is a transverse section taken in a plane indicated by the line 5—5 in Fig. 4 and shows the square sleeve open on one side.

Fig. 6 is a transverse section taken in a plane indicated by the line 6—6 in Fig. 4

and shows the transverse relations of the blade holding elements.

Fig. 7 is a sectional perspective view of the blade and guard assembled; the section thereof being taken in a plane indicated by the line 7—7 in Fig. 1.

Fig. 8 is a perspective view of a drawer adapted to be inserted into the open end of the handle and capable of holding or storing various shaving paraphernalia.

Fig. 9 is a perspective view of another form of drawer of the same adaptation and capability as the drawer shown in Fig. 8.

Fig. 10 is a perspective view of the shaving device as it appears with the drawer therein and ready for insertion into a pocket or other space.

Fig. 11 is a perspective view of the blade alone.

Similar reference characters refer to similar parts throughout the views.

For the purpose of easy understanding of my invention, I have divided the device shown in the accompanying drawings into separate elements and have designated the handle as A, the drawer as B, the guard as C, the razor blade as D, and the stropping holder as E.

The handle A is conveniently formed of sheet material bent into the form shown with the end 10 at the rear open, the bottom 11 flat, the two sides rounded at 12 to prevent sharp corners from injuring contacting objects, the front end 13 closed and the stud 14 projecting outward from the end 13. This structure provides a hollow handle open at one end and a stud fixed on the other end.

The stud 14 has the two slots 15 in the present instance leaving the portion 16 of the stud solid with the same. These slots or grooves 15 constitute a groove means to receive the razor blade and guard as will appear further later on and are disposed at an angle to the longitudinal axis of the stud to dispose the blade and the guard at an angle to this longitudinal axis for convenience in shaving. In the present instance, the stud 14 is made square or rectangular cross-sectionally but may be and can be made of any other cross-section although it is preferred to make the cross-section polygonal to prevent an element or implement from rotating thereon. Other expediciencies can be used to prevent rotative movement of an element or implement on the stud.

The stropping holder E is made of one piece of sheet material and has the cross-sectionally polygonal, in the present instance square, portion 17 and the cross-sectionally tubular portion 18 and the flange portions 19 and 20. The portion 17 has the slit 21 and corresponds to the size of the stud 14 except that it is originally made a little smaller than the stud so that a clamping effect between the sleeve 17 and the stud 14 is pro-

duced when the former is attached to or telescoped over the latter; the slit 21 permits of expansion and contraction of the sleeve 17 cross-sectionally.

The tubular portion 18 extends adjacent to the portion 17 in the present instance and the flange portions 19 and 20 extend from this tubular portion and are spaced to permit the razor blade to be clamped between them. These flanges are normally a little closer together than the thickness of the blade and there is a certain amount of resiliency in the flanges as well as in the tubular portion to effectively grip the blade when the same is inserted therein for stropping purposes.

The razor blade D has the two slots 22 through it in the present instance and also has the slot 23 fitting over the portion 16 of the stud 14.

The guard C has, in the present instance, the two portions 24 partly severed from the body of the guard and bent into hooks which can be extended through the slots 22 of the blade to attach the blade and the guard to each other. The portion 25 of the guard is slightly curved so that a clamping effect is produced between the walls of the grooves 15 and the assembled blade and guard when the same is inserted into the grooves. The guard C also has the slot 26 corresponding to the slot 23 and fitting over the portion 16 of the stud.

The drawer B (Fig. 8) is made of one piece of sheet material formed into the flat bottom 27 corresponding to the bottom 11 of the handle, the curved portions 28 corresponding to the curved portions 12 of the handle, and the end portion 29 to close one end of the drawer; the lip 30 projects beyond the bottom 27 to form an abutment for the strop and the other edges of the end portion 29 project beyond the sides and top of the drawer and abut the end of the handle when the former is inserted into the latter. In this structure, the sides of the drawer can be made slightly larger (outwardly) and have some resiliency so that there will be a frictional engagement between the side walls of the drawer and the side walls of the handle when the former is inserted into the latter to retain the drawer in the handle under normal conditions but permit the drawer to be withdrawn from the handle by means of the hand or fingers and without the necessity of any other tools.

The drawer shown in Fig. 9 also has the elements 27, 29 and 30 as and for the same purposes as the drawer shown in Fig. 8 but, instead of the portions 28 of Fig. 8, has the arm 31 with sufficient resiliency therein to retain the drawer in the handle by frictional engagement between these two members. This drawer also has the arm 32 with sufficient resiliency therein to permit the free end thereof to move and to clamp razor blades

or other paraphernalia between this free end and the bottom of the drawer. This drawer is also conveniently made of one piece of sheet material.

5 The strop 33 is cemented to or otherwise secured to the outside of the bottom 27 and one end thereof abuts the lip 30 to help to retain the same in position. When resiliency is desired in the strop, a drawer of the structure shown in Fig. 9 is preferable since that structure provides a certain resiliency or flexibility in the bottom 27 and thereby also permits resiliency or flexibility in the strop. When no resiliency is desired in the strop, the structure shown in Fig. 8 is preferable since the sides thereof stiffen the bottom and practically make the same, and consequently the strop, unresilient or inflexible.

Normally and ordinarily, a razor blades, a guard, a stropping holder, as well as a mirror, a small brush, a small piece of soap, or other element or implement or paraphernalia useful in shaving operations, or in allied operations, or in other operations may be carried or stored in the drawer within the capacity thereof and are easily inserted or deposited therein and are easily removed therefrom.

The drawer itself, with or without any articles stored therein, is easily insertable and easily removable from the handle. The bottom of the handle is flat to permit the operator to have better control of the device during the shaving operation and the upper edges of the sides are rounded to prevent injury to adjacent or contacting objects and to make the device more convenient for the operator's hand.

The guard C and the blade D are first assembled as shown in Fig. 7 where it is seen that the slot 23 coincides with the slot 26 practically forming one slot. This slot is then disposed over the portion 16 whereupon the faces of the blade and of the guard adjacent to the slots thereof abut the walls of the grooves 15 and the portion 25 tends to hold the blade and the guard in place due to the frictional engagement between these walls and the blade and the guard. The cross-sectionally square formation of the stud 14 has the additional advantage of presenting a larger contact area of the walls of the slots 15 to the blade and to the guard.

The end 17 of the stropping holder E telescopes over the stud 14 and is held thereon by frictional engagement between them and is prevented from turning or rotating thereon by the polygonal cross-sectional formation thereof. For the purpose of stropping the blade D, the same is inserted between the flanges 19 and 20; the portion 18 is made of such cross-sectional size that the blade is held at the proper stropping angle when the side of the portion 18 touches the strop. When the stropping holder is attached to the

stud with the blade between the flanges of the holder, the blade can easily be stropped on the strop attached to the bottom of the drawer now removed from the handle.

My invention provides a very simple and inexpensive shaving device which is easily made, in which the major portion of the parts can easily be made of sheet material with commercial bending and shearing machinery or means, which is of sufficiently small size to be easily carried in a small pocket in the manner of a pencil or fountain pen and yet have sufficient room therein to store razor blades and a stropping holder and a strop as well as other paraphernalia, in which the shaving implements and paraphernalia can readily be stored to have them together and at hand at all times, in which the paraphernalia or the implements are ready for use at all times, and in which the attachable paraphernalia is readily attachable to the device for use and readily detachable from the device for storage without the necessity of any tools except the hands or the equivalent thereof.

I am aware that changes can be made in the structure and in the formation as well as in the arrangement of the parts shown and described within the scope of the appended claims; therefore, without limiting myself to the precise structure and arrangement shown and described,

I claim:—

1. A shaving device including a handle having transverse grooves therein and a neck between the grooves, a guard adapted to receive a razor blade and having a slot therein in alignment with a slot in the razor blade when the guard razor blade are assembled, the assembled guard and blade being in frictional contact with walls of said grooves when the same are telescoped over said neck.

2. In a shaving device, the combination of a handle having a cross-sectionally square stud thereon and transverse grooves on two opposite sides thereof and a neck between the grooves, an assembled razor blade and guard having a slot through the same, the assembled blade and guard being in frictional contact with walls of said grooves when the same are telescoped over said neck, and a stropping holder having a transversely square socket for telescoping over said stud and having a slit longitudinally thereof for resiliency and frictional contact thereof on said stud.

3. In a shaving device, the combination of a handle and a shaving implement thereon; said handle having a hollow portion having one wall thereof flat throughout the same, a drawer telescoped into said hollow portion and having a bottom corresponding to said wall, and a razor strop on the outside of said bottom for use of razor stropping when said drawer is out of said handle and located between said bottom and said wall when said

drawer is in said handle for protection of the strop.

4. In a shaving device, the combination of a handle and a shaving implement thereon; said handle having a hollow portion having one wall thereof flat throughout the same, a drawer telescoped into said hollow portion and having or bottom corresponding to said wall, and a razor strop on the outside of said bottom for use of razor stropping when said drawer is out of said handle and located between said bottom and said wall when said drawer is in said handle for protection of the strop; said drawer having a slit longitudinally thereof for resiliency and frictional contact thereof on the inside of said hollow portion of the handle.

In testimony of the foregoing I affix my signature.

JOHN U. FISHER.

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