

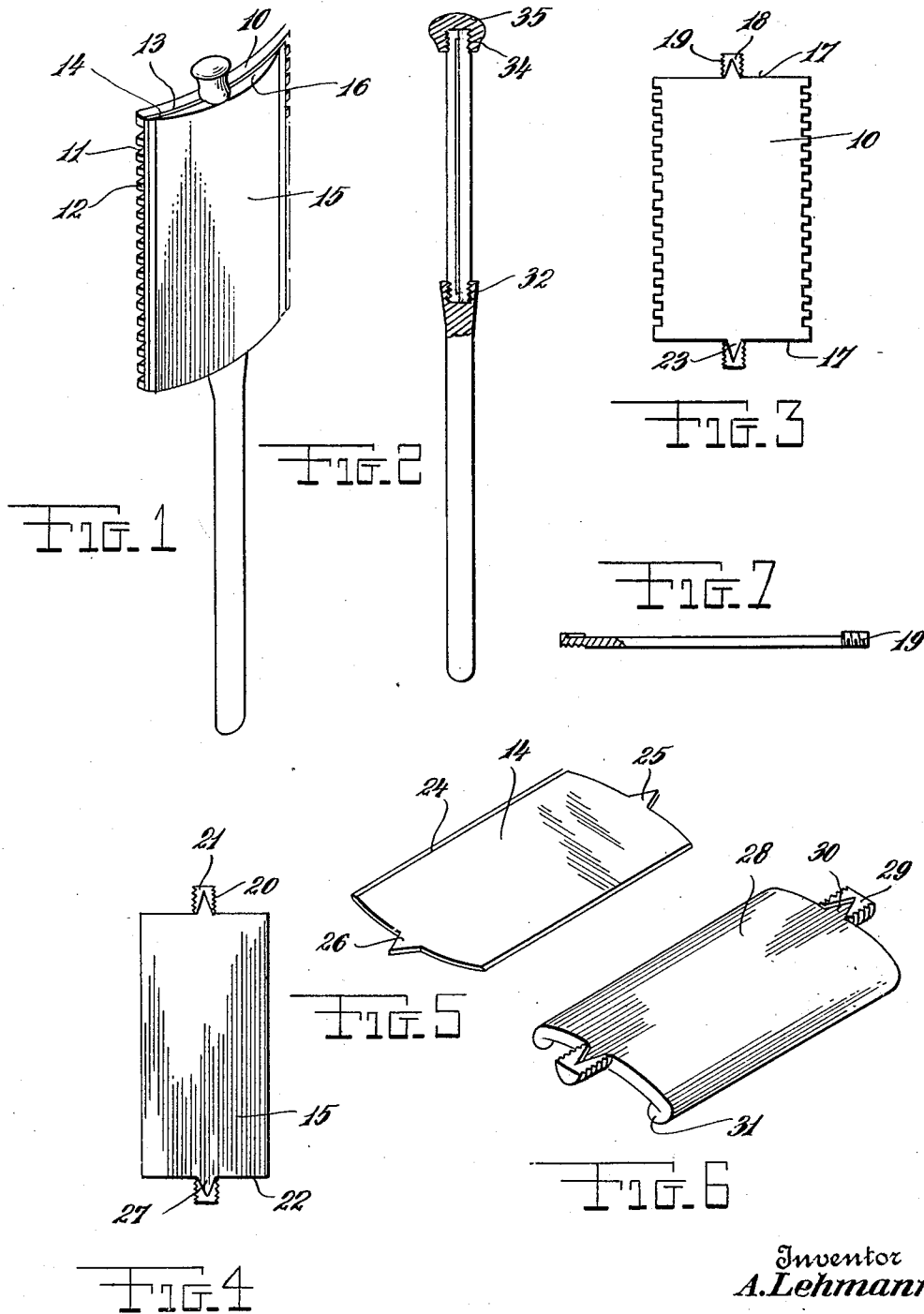
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SHAVING DEVICE

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UNITED STATES PATENT OFFICE

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SHAVING DEVICE

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The main object of this invention is to provide a safety razor using a separate metallic blade as a shaving element, the razor being constructed of celluloid or other cellulous product so that the entire safety razor may be separated into its component parts in order to be hygienically cleaned and stored in a sanitary manner, and also packed for shipment or transit with the least amount of bulk.

Another object of the invention is to provide a shaving device constructed of several units, all of which are adapted to be interlocked to provide a shaving implement, the interlocking feature thereon providing means for retaining a metallic razor blade in secure and ready position between the required members to attain shaving rigidity for the razor blade.

The above and other objects will become apparent in the description below, in which characters of reference refer to like-named parts in the drawings.

Referring briefly to the drawings, Figure 1 is a perspective view of the razor device completely assembled and ready for use.

Figure 2 is a longitudinal sectional elevational view of the shaving device.

Figure 3 is a top plan view of one form of body plate.

Figure 4 is a top plan view of the head of the device.

Figure 5 is a perspective view of the razor blade designed for use with the shaving device.

Figure 6 is a perspective view of a modified form of razor blade body applicable to the same type of razor blade illustrated in Figure 5.

Figure 7 is a longitudinal, partly sectioned, elevational view of one end of Figure 6, showing the recess for positioning and locking the razor blade properly.

Referring in detail to the drawings, the numeral 10 indicates a slightly curved, substantially flat, body whose longitudinal sides have substantially square shaving notches 11 formed therein. These notches are provided between fingers 12, this construction being common in the present day type of safety razors. The convex surface or face 13 of the

body 10 is adapted to have a razor blade 14 rest thereon. Normally, these razor blades, such as indicated by the numeral 14, are in perfectly flat condition and are slenderly curved by being fitted upon the face 13. A longitudinal head 15 is provided with a concave surface 16 with which the surface of the razor blade contacts. The opposing side edges 17 of the body 10 have studs 18 projecting therefrom. These studs are semi-circular in cross-section and their peripheral surfaces are provided with helical threads 19. All of these threads form a half of a helix, and are adapted to be complementary to the threads 20 of similar studs 21 which project from the side edges 22 of the head 15 of the device, and also have a peripheral surface upon which the stated threads 20 are formed. These studs 18 and 21, when aligned with each other, are adapted to provide and form a stud, circular in cross-section, at each end of the head 15 and body 10. The flat surface at the diameter of the stud members 18 and 21, is slightly raised above the surfaces of the body 10 and of the head 15 so that pyramidal recesses 23 and 27 are formed in the studs of a depth equal to less than one-half the thickness of the razor blade 14. The razor blade 14 is provided with the usual parallel cutting edges 24 and at its sides is provided with triangular ears 25 and 26 which are adapted to register in the recesses 23 in the body 10, and recess 27 in the head 15 of the shaving device.

The modification shown in Figure 6 is adapted to be used in combination with the same head 15 of the device, and is constructed in such manner as to replace and eliminate the notches 11 and fingers 12 of the body 10. This modified type of body 28 is provided on opposing sides with studs 29 which are constructed in the same manner as those on the preferred type of body 10, and are also provided with pyramidal recesses 30 formed in the studs. The entire construction of this modified body is identical to that of the body 10 with the exception of the turndown lip 31 into which its longitudinal side edges are formed so that the body, in contacting with the skin of the user, presents a curved, com-

portable surface which will not scratch or injure the skin.

The lower aligned studs of the body 10 or 28 and the head 15 are adapted to register in a threaded opening 32 formed in a handle member 33, while the two complemental lugs at the opposite ends of these same equivalent members are adapted to enter into a threaded opening 34 in a thumb nut 35.

The device is adapted to retain a razor blade in the proper shaving position and at the proper angle upon the skin. The device may be completely assembled, or the parts may be detached into independent members, in a short interval of time. The body 10 or 28 is held in the palm of the hand, the razor blade 14 is rested thereon, care being taken that the ears 25 register in the recesses 30 or 23 of whatever form is being used. When this operation has been completed, the head 15 is placed upon the razor blade which is resting on the body 10, and these three members are compressed until the razor blade takes the curved form required for it by the adjacently positioned surfaces of the body and head 15. The lugs 18 and 21 will in this condition be aligned after which the thumb nut 35 is secured upon the upper pair of aligned lugs while the handle 23 is secured to the opposing two lugs on the body 10 and head member 15. The process of shaving may then be accomplished with ease and comfort similar to a straight razor. The material of all of the members of this shaving device, with the exception of the razor blade 14, which is metallic, is preferably formed of same cellulos product or any desirable product which may be conveniently molded so that mass production may be attained to permit these devices to be manufactured and sold at a relatively small cost.

It is to be noted that certain changes in form and construction may be made without departing from the spirit and scope of the invention.

I claim:

1. In combination with a substantially rectangular razor blade having triangular ears projecting from the short sides thereof, a device for holding said razor blade in position comprising a curved body, a curved head, said head and body having said razor blade located therebetween, said head and body having projecting studs on opposite edges thereof semi-circular in cross-section, said studs each having a flat face and a semi-cylindrical wall extending from one edge of said flat face to the opposite edge thereof, the flat face of the stud on one edge of the body lying against the flat face of the stud on the same edge of the head to form a unitary cylindrical stud upon assembling the device with the blade between said body and head, the faces of said studs having pyramidal recesses therein adapted to receive said

ears of the blade, and means engaging said studs for securing said body and head in clamped position on said razor blade.

2. In combination with a substantially rectangular razor blade having ears projecting from the short sides thereof, a device for holding said razor blade in position comprising a curved body, a curved head, said head and body having said razor blade located therebetween, said head and body having projecting studs on opposite edges thereof semi-circular in cross-section, said studs each having a flat face and a semi-cylindrical wall extending from one edge of said flat face to the opposite edge thereof, the flat face of the stud on one edge of the body lying against the flat face of the stud on the same edge of the head to form a unitary cylindrical stud upon assembling the device with the blade between said body and head, the faces of said studs having recesses therein adapted to receive said ears of the blade, and means engaging said studs for securing said body and head in clamped position on said razor blade.

In testimony whereof I affix my signature.
ALBERT LEHMANN.