June 5, 1951 E. E. MURPHY 2,555,360

NAIL FILE AND CASE THEREFOR

Filed June 30, 1947

Fig. 4

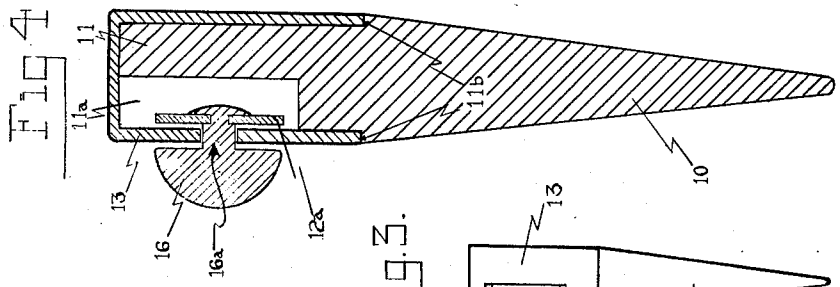


Fig. 7.

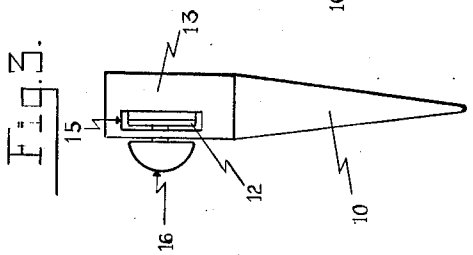


Fig. 1.

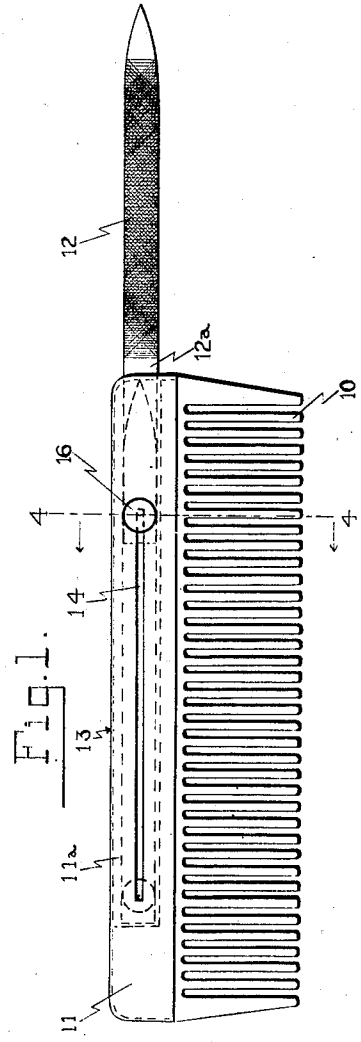


Fig. 2.

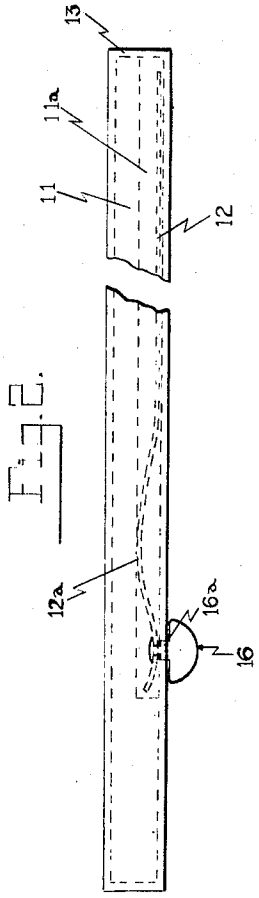
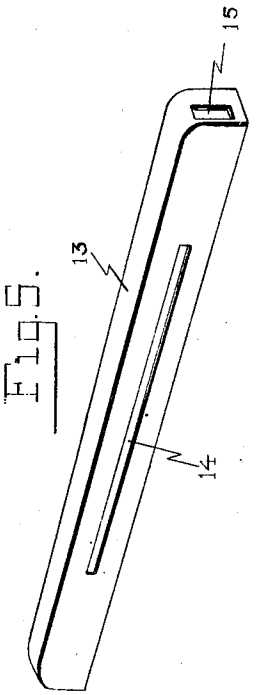


Fig. 5.



INVENTOR.

Earl E. Murphy

Patented June 5, 1951

2,555,360

UNITED STATES PATENT OFFICE

2,555,360

NAIL FILE AND CASE THEREFOR

Earl E. Murphy, Chicago, Ill.

Application June 30, 1947, Serial No. 758,126

1 Claim. (Cl. 132—76.2)

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My invention relates in general to nail files, and more particularly to cases combined with nail files.

One of the objects of my invention is the provision of a case to function as the handle of a nail file. Still another object is to provide means for constraining the sliding movement of the nail file with respect to the case. To the attainment of these ends and the accomplishment of other new and useful objects as will appear, the invention consists in the features of novelty in substantially the construction, combination and arrangement of the several parts hereinafter more fully described and claimed and shown in the accompanying drawing illustrating this invention and in which:

Figure 1 is a side elevational view of the unit showing the file extended for use and also, as indicated by dotted lines, housed in the comb.

Figure 2 is an enlarged broken top view emphasizing the formation of the resilient shank of the file.

Figure 3 is an enlarged view of the apertured end of the unit.

Figure 4 is a greatly enlarged view in section taken on line 4—4 of Figure 1.

Figure 5 is a perspective view of the shell member employed in the invention.

Referring now to the drawing, the comb, of a suitable material, comprises the comb back 11, with the usual spaced teeth 10, said comb back 11 being provided with a recess 11*a*, as shown in Figures 1 and 4, extending lengthwise from one end to the necessary length of accommodate a slidable nail file 12 having an integral resilient shank 12*a*. A shell member 13 of substantially inverted U shape in cross section, with a contour corresponding to the contour of a comb back, is made to fit snugly over the back 11 of the comb and in this manner it encloses the recess 11*a* and forms a housing for the file 12. The shell member 13 is provided with a longitudinal side slot 14 and a vertical end slot 15, said end slot being substantially the width of the recess 11*a* and, as shown in Figure 3, being the point of egress for the file 12. The longitudinal slot 14 provides access to the recess 11*a* for a finger engaging element comprising a button 16 having a pin or shank 16*a* of a suitable length, which occupies the slot 14 and is riveted to the resilient shank 12*a* of the file 12 and thus, by making the diameter of the button 16 greater than the width of the longitudinal slot 14, and the diameter of the button shank 16*a* slightly less than the

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width of said slot 14, a slidable union is formed between the file 12 and the comb. The longitudinal slot 14 cooperates with the pin which forms the button shank 16*a* in guiding and limiting the movement of the file 12, each of its limiting positions being positively established by the respective ends of said slot 14. It should be noted that the length of the longitudinal slot 14 governs the length of the extended portion of the file 12 in its projected position. The file shank 12*a* is resilient and, as shown in Figure 2, is of a curved formation designed to contact both inner walls of the enclosed recess 11*a* and to be put under slight compression therein, thus frictionally retarding the sliding movement of the file 12 in respect to the comb. To accommodate the shell member 13 the comb back 11 is provided with shoulders 11*b* as shown to advantage in Figure 4, said shoulders 11*b* extending the entire length of the comb back 11 and having a width corresponding to the thickness of the metal or other material employed in the shell member 13, for the purpose of snugly fitting the shell member 13 on the comb back 11 and imparting a smooth, unbroken surface to the unit.

In manufacture, the comb may be molded or machined to the required shape. The shell member 13 may be made of a suitable sheet metal and should be formed to the exact contour of a comb back. The resilient shank 12*a* of the file 12 should first be formed to the required shape and then be spring-tempered. The shell member 13 may be joined to the comb back 11 by adhesive means, thereby avoiding the use of rivets or the like.

It should be observed that the button shank 16*a* being made of a sufficient length, a slight pressure of the finger on the button 16 will partially relieve the compression of the resilient shank 12*a* of the file 12 and thereby permit the file 12 to be easily retracted in the comb or projected for use as a nail file.

As many modifications of the invention will readily suggest themselves to one skilled in the art, I do not limit or confine the invention to the specific details of construction herein shown and described except within the scope of the appended claim.

I claim as my invention:

A grooming unit of the character described comprising, in combination, an element having a back provided with a recess, a shell member of substantially inverted U shape in cross section mounted on the back of said element and

enclosing said recess, said shell member being provided with a longitudinal slot and an end aperture, said slot and aperture being in communication with said recess, a nail file housed in said recess and being slidably connected to said member for egress and regress through said end aperture, said nail file being provided with a curved resilient shank which slidably engages opposite inner side walls of said recess and is compressed therein, said nail file shank being provided with a pin in integral engagement with said file shank, said pin occupying said longitudinal slot and cooperating with said slot in guiding and limiting the sliding movement of said nail file in respect to said member, said pin also being provided with a knob which functions as a finger engaging element for manually actuating said nail file.

EARL E. MURPHY.

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