

April 25, 1933.

M. C. WOLF

1,905,976

MANICURING DEVICE

Filed Sept. 13, 1932

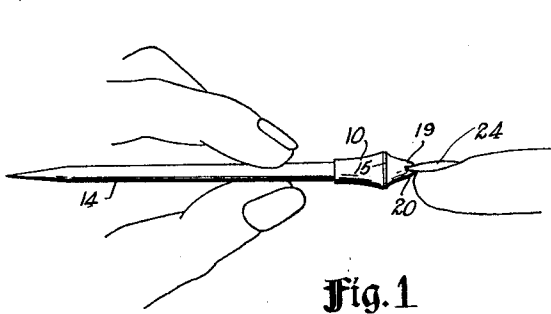


Fig. 1

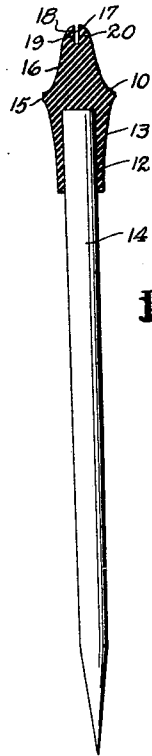


Fig. 2

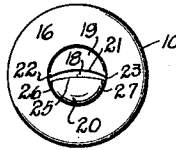


Fig. 4

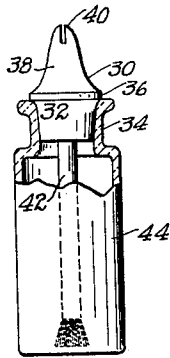


Fig. 3

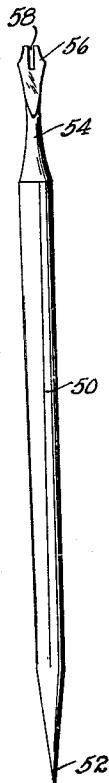


Fig. 5

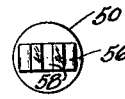


Fig. 6

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MANICURING DEVICE

Application filed September 13, 1932. Serial No. 632,911.

My invention relates to manicuring devices and, more particularly, to a nail polish remover adapted for use in removing excess nail polish from the finger nail tips.

Manicurists and those who polish their own finger nails frequently apply an excess of nail polish on the surface of the finger nails covering the entire nail from the cuticle to the tip. In some instances this polish not only covers the entire outer surface of the finger nail but runs underneath the edge of the finger nail and onto the skin beneath the finger nail. Such excess nail polish is often difficult to remove evenly. In removing the excess polish, where the polish employed is in liquid form and has not yet become dry or hardened, the usual practice is to wipe the polish from the edge of the finger nail with a dry cloth. Where the liquid polish has become hardened, or in the case of paste or solid polish, it is the usual practice to moisten a cloth with a solvent liquid and then wipe the excess polish from the nail. In these instances, however, considerable difficulty is encountered in completely and evenly removing the polish from the desired area.

My invention contemplates the provision of instrument which will greatly facilitate the removal of excess polish from the outer surface of the projecting end of the finger nail tips and from underneath the finger nail tips.

My invention is susceptible of modification, and in one embodiment thereof I contemplate the provision of a small, compact, unitary attachment that may conveniently be applied to the end of an orange stick or other instrument for application to the finger nail. In another embodiment thereof my device is capable of being incorporated with the usual stopper provided for a bottle which contains the finger nail polish, and in yet another embodiment of the invention the instrument is formed integrally on one end of an orange stick or other manicuring instrument.

Briefly described, my invention consists in a soft, resilient body of relatively small dimensions, having a transverse slot formed in one end thereof and adapted to receive there- in the extreme edge of the finger nail of the

user, the portions of the device on either side of the slot being adapted to overlie and underlie, respectively, the edge of the finger nail in such a manner that when the device is moved along the edge of the finger nail with the edge of the nail disposed within the slot, the edges of the device adjacent the slot will force the excess polish off of the nail by means of a so-called squeegee action.

The device in one form thereof is provided with a socket to enable the same to be applied to the inoperative or scraper end of an orange stick or other implement. Another form of the device has a bottle stopper associated therewith, while in yet another form of the invention the finger nail receiving slot is formed directly in the scraper end of the orange stick.

Further objects of the invention are the provision of a small implement of the nature described which is inexpensive to manufacture and which may be repeatedly used on the finger nail without the necessity of replacement, and which may easily be cleaned. Other objects of the invention, not at this time more particularly set forth, will become more readily apparent as the nature of the invention is better understood, and the same consists in the novel construction, and arrangement of parts shown in the single sheet of drawing forming a part of this specification, in which

Fig. 1 is a perspective view of one form of the invention showing the same attached to the scraper end of an orange stick and showing the same in operative position.

Fig. 2 is a vertical transverse section of the form of the device shown in Fig. 1, showing the same applied to the scraper end of an orange stick.

Fig. 3 is a side elevation, partly in section, of a modified form of the invention, showing the same associated with a bottle cork.

Fig. 4 is a top plan view of the manicuring device.

Fig. 5 is a side elevation of a still further modified form of the device showing the same inherently incorporated with an orange stick.

Fig. 6 is an end view of the device shown in Fig. 5.

In all of the above described views similar characters of reference are employed to designate similar parts throughout.

Referring now to Figs. 1 and 2, the preferred form of my device is shown as comprising a unitary body portion 10 formed of a resilient material which may, if desired, be formed of soft rubber or the like. The body 10 is generally of cylindrical form and is provided at one end with a socket 12, the walls of which are slightly tapered as at 13 and are adapted to be stretched, in order that the device may be applied to an end of an orange stick 14 or other similar manicuring instrument. Medially of the device there is provided an enlarged intermediate portion 15. The other end of the device tapers as at 16 from the enlarged portions 15 to form a generally rounded extremity 17 having a transverse slot 18 formed therein.

The provision of the slot 18 provides in the device a bifurcated end, one bifurcation of which is designated at 19 and the other of which is designated at 20. The bifurcation 19 is adapted, when the device is in use, to overlie the edge of the finger nail, as clearly shown in Fig. 1. The edges of the bifurcation 19 shown at 22 and 23 are adapted to bear against the upper surface of the edge of the finger nail 24 and force the excess polish applied thereto from the same. Toward this end the inner surface of the bifurcation 19 is curved as at 21, the radius of curvature employed being preferably smaller than the radius of curvature of the exposed area of the finger nail. The inner edge of the bifurcation 20 is curved as at 25 to provide a convex surface, the radius of curvature of which is preferably the same or somewhat greater than the radius of curvature of the exposed edge of the finger nail. Thus the edges 22 and 23 of the bifurcation 19, and the edges 26 and 27 of the bifurcation 20 will engage and bind the exposed areas of the finger nail therebetween and effectively remove the excess nail polish by an efficient squeegee action.

While I have described and illustrated the transverse slot 18 which is formed in the operative end of the device as possessing such characteristics of curvature as to obtain the most efficient squeegee action, it is to be distinctly understood that for convenience in manufacture the bifurcated end of the device may be formed with a straight transverse cut, thus resulting in a slight economy in manufacture at a possible small sacrifice in efficiency. Irrespective, however, of these minor details in manufacture of the device, the essential features of the invention are always preserved.

In the actual use of this form of the device, one edge of the exposed portion of the finger nail may be inserted in the transverse slot 18. The device may then be bodily moved laterally of the finger nail so that

the advancing edges 23 and 27 or 22 and 26, as the case may be, will force the excess polish off the edge of the finger nail. Such polish as has accumulated underneath the nail, together with such polish as has accumulated on top of the nail will be simultaneously removed. The bottom of the transverse slot 18 will serve to effectively clean the extreme edge of the nail while the portion of the bifurcation 20 which bears against the underlying skin of the finger will serve to remove any polish which has accumulated thereon.

In Fig. 3 a somewhat modified form of the invention is illustrated. In this form of the invention the implement is applicable for use in connection with a bottle stopper. The bottle stopper is shown in its entirety at 30 and is provided with the usual plug 32 for reception in the bottle neck 34 and with an enlarged sealing flange 36 from which there extends a tapered portion 38 terminating in a generally rounded bifurcated end 40 similar to the bifurcated end of the device shown at 10 in Figs. 1 and 2. In this form of the invention the entire unit may be formed integrally of resilient material such as rubber, this material serving equally well in its sealing capacity for the bottle as for its effective cleaning capacity on the finger nail. If desired, however, the plug portion 32 of the device may be formed of cork, while the remaining operative portion of the device may be formed of soft, resilient material, or of a hardened composition, as, for example, bakelite, which is now in common use as an ornamental factor in the formation of bottle stoppers. These details, too, are not essential to the invention, for regardless of the material from which the stopper be formed the efficiency of the device will not be impaired.

The plug portion 32 of the stopper 30 may, if desired, be provided with an extension 42 having an applicator at the lower end thereof for applying the polish to the surface of the nail. In actual use, after the polish has been applied to the nail, the plug portion 32 may be employed for manipulating the implement, or the stopper may be reapplied to the bottle and the bottle 44 may serve as a handle by which to guide the implement when removing the excess polish from the nail. For this latter reason I have shown the bottle 44 as being substantially narrow and elongated to facilitate handling of the device.

In Fig. 5 my device is shown as being associated with an ordinary orange stick 50 having a pointed end 52. The other end of the stick is provided with a tapered portion 54 terminating in a generally rounded bifurcated end 56 having a slot 58 therein. In this form of the invention the slot 58 is preferably a transverse slot, the inner edges of the same being substantially straight. If desired, however, the slot may be formed similar to

the slot 18, and again the invention is susceptible of modification in this regard.

Having thus described my invention, it will be seen that I have provided a device which is capable of use by professional manicurists or by those who choose to treat their own finger nails. The invention is not to be limited to the exact arrangement of parts shown in the accompanying single sheet of drawing or described in this specification, as various changes in the details of construction may be resorted to without departing from the spirit of the invention. Only in so far as the invention has been particularly pointed out in the accompanying claims is the same to be limited.

I claim:

1. The combination with an orange stick of an attachment formed of resilient material removably secured to said orange stick, said attachment having a rounded bifurcated end.

2. The combination with an orange stick of an attachment therefor removably secured to said stick, said attachment presenting a bifurcated projection adapted to receive between the bifurcations thereof the projecting end of the finger nail, and adapted to be moved across said projecting end of the finger nail to remove excess polish therefrom.

3. The combination with an orange stick of an attachment therefor, said attachment being formed of resilient material and having a pointed end, there being a transverse slot formed in said pointed end.

4. The combination with an orange stick of an attachment therefor formed of a unitary body of resilient material having a socket adapted to receive one end of said orange stick, the other end of said attachment providing a rounded bifurcated projection.

5. A manicuring implement for removing excess polish from the projecting end of a fingernail, comprising a member formed of resilient material having an integral resilient bifurcated projection adapted to receive a finger nail and frictionally engage the upper surface of the nail when moved therein.

6. A manicuring device for removing excess polish from the projecting end of a finger nail, comprising a unitary body of resilient material having a rounded pointed end provided with a transverse slot extending thereacross adapted to receive therein the projecting end of the finger nail and yieldingly rub against the upper surface of the nail when moved therein.

7. A manicuring device for removing excess polish from the projecting end of a finger nail, comprising a body formed of a resilient material having a transverse slot formed therein, said slot being curved, the radius of curvature of one edge of said slot being less than the radius of curvature of the average finger nail, whereby the said edge

presses against the nail to clean it when moved there across.

8. The combination with a bottle stopper and an elongated bottle providing a handle for a manicuring implement, said implement being formed on said stopper, and presenting a rounded projecting protuberance having a transverse slot formed therein said transverse slot having resilient walls adapted to receive therein and embrace a finger nail, to clean the same when moved therein.

9. A manicuring implement in the form of an attachment for an orange stick or other manicuring instrument having a shank, comprising a body of soft rubber having a socket formed therein, said socket having walls capable of stretching, whereby the same may be placed over the end of said orange stick or shank in telescopic relation thereto, an enlarged intermediate portion and a tapering projection providing a rounded end, there being a transverse slot formed in said end, the depth of said slot being substantially equal to the length of the free end of a finger nail, one side of said slot having a radius of curvature substantially less than the radius of curvature of the finger nail, and the other side of said slot having a radius of curvature substantially equal to the radius of curvature of the finger nail.

10. The combination with a bottle stopper of a resilient head having a transverse slot formed therein adapted to receive a finger nail and embrace the same to clean the upper surface thereof when moved therein.

In testimony whereof, I hereunto affix my signature.

MARIE C. WOLF.

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