April 25, 1961 A. M. CROWE 2,980,940

DEVICE FOR THE REMOVAL OF NAIL POLISH

Filed Sept. 4, 1958

FIG_1

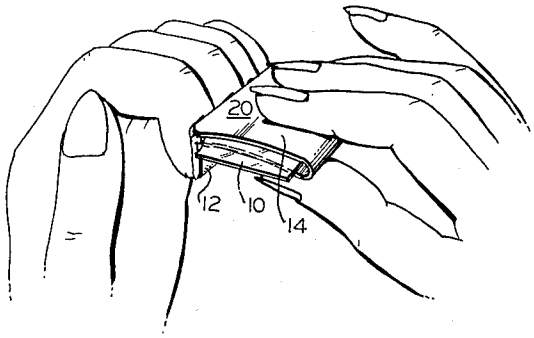


FIG_6

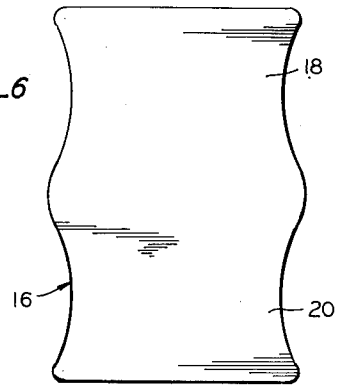


FIG_2

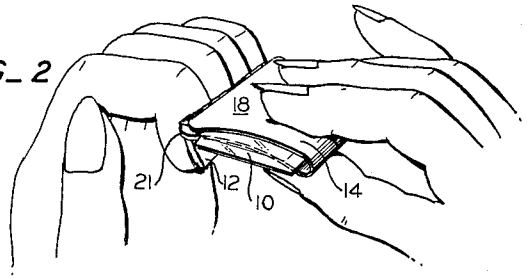


FIG_5

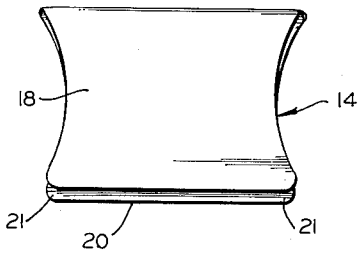


FIG_7

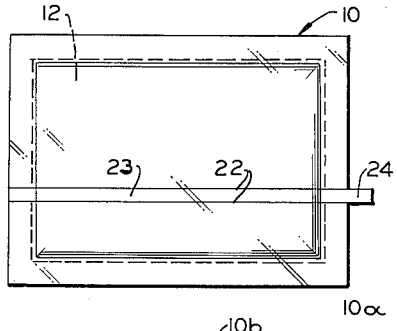
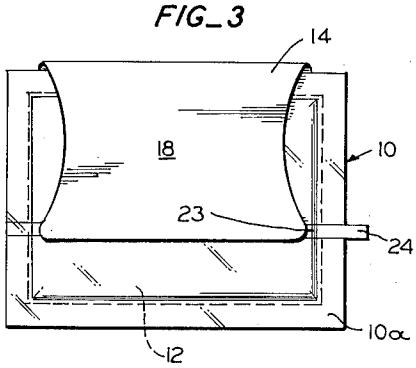


FIG_3



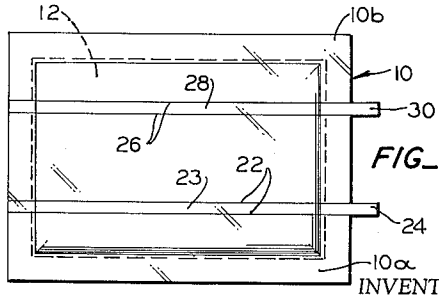
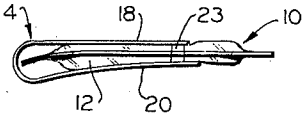


FIG_8

FIG_4



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DEVICE FOR THE REMOVAL OF NAIL POLISH

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2 Claims. (Cl. 15—506)

This invention relates to means for the removal of nail polish, and more particularly relates to a combination device by which the hands can be protected from the nail polish remover during the removal operation. This application is a continuation-in-part of my prior application, Serial No. 714,442, filed February 10, 1958, now abandoned.

As is well known by the great majority of women who use nail polish, the removal of the polish is a tedious, messy operation. Typically such operation involves the saturating of a small piece of cotton with the nail polish remover while the cotton is held in the fingers of one hand, and thereafter removing the polish from one nail at a time by rubbing the cotton over each individual nail. As can be testified to by countless women, this process generally results in getting old polish on hands and fingers, so that removing old polish smear from the skin is frequently as difficult as removing the polish from the nails themselves. In addition, the various solvents customarily used in the polish remover (e.g. acetone) have a harsh drying effect on the hands so that the entire operation becomes a constant source of annoyance and irritation.

In general it is an object of the present invention to provide a combination device for removing nail polish by which the hands can be protected during the removal operation.

Another object of the invention is to provide such a combination device which eliminates all contact of the old polish, or the polish remover, with the hands.

Another object of the invention is to provide a means for removing nail polish by which all the fingers of a hand are treated simultaneously, so that the procedure is greatly expedited.

Additional objects and features of the invention will appear from the following description in which a preferred embodiment of the invention has been set forth in detail in conjunction with the accompanying drawing:

Referring to the drawing:

Figure 1 is a view in perspective showing one step in removing nail polish with the device of the invention.

Figure 2 is a like view showing a second step.

Figure 3 is a view in perspective of a combination pad and holder embodying the principles of the invention.

Figure 4 is a view from the left hand side thereof.

Figures 5 and 6 illustrate, respectively, a holder device and a blank useful in forming such device.

Figures 7 and 8 illustrate two forms of a pad construction in accordance with the invention.

Generally stated, the combination device of the present invention comprises a vapor proof envelope **10** containing a pad **12** saturated with nail polish remover and a substantially U-shaped metallic holder or clip **14** adapted to resiliently receive and grasp said pad. Preferably the envelope is provided with lines of weakness providing at least one tear strip so that a portion of the envelope can be removed to expose the pad, with the remaining portions of the pad and envelope being firmly held by the holder **14**. This construction permits the pad and envelope to

be conveniently supported in one hand by means of the holder, and without contact between the exposed portions of the pad and the hands during the nail polish removal operation.

Referring to the drawing in detail, **16** indicates a blank which may be suitably stamped from a die and subsequently fabricated into a substantially U-shaped holder, as illustrated in Figure 5. The holder preferably has substantially planar sides **18** and **20**, one of which is longer than the other. Thus, as best seen in Figures 4 and 5, the protruding edge of the side **20** extends a substantial distance beyond the edge of the side **18**, and preferably is provided with rounded protruding corners **21** for a purpose which will appear. The holder **14** may be fabricated from any suitable material, such as metal or plastic. In general, I prefer to employ color-anodized aluminum because of its desirable characteristics of strength, durability and attractive appearance.

As is particularly shown in Figures 4 and 7, the pad **10** comprises a hollow envelope formed of two layers of pliofilm or other suitable material secured at their edges to form a vapor-tight enclosure for the pad **12**. It will be understood that the pad is first saturated with nail polish remover, positioned between the layers, and the layers heat sealed or otherwise secured, as by an adhesive, etc., in a well known manner. The resulting continuous seal about the edge of the envelope acts to prevent loss of the volatile solvents and other ingredients of the polish remover over prolonged periods of time.

In accordance with the invention, the walls of the envelope **10** are provided with lines of weakness **22** forming a tear strip **23** which preferably protrudes beyond one edge of the envelope to provide the pull tab **24**. As will be understood, pulling on the tab **24** will cause the envelope to separate on the lines of weakness, and permit removal of the lower envelope portion **10***a*. In an actual use of the device, the pad **10** is first inserted between the sides of the holder **14** so that it is resiliently grasped with the tear strip **23** just below the lower edge of the side **18**, as illustrated in Figure 3. The tab 24 is then pulled to separate the portion **10***a* to thereby expose a portion of the saturated pad **12**.

Figures 1 and 2 illustrate the manner in which the exposed portion of the pad is employed to remove polish from the nails. As illustrated in Figure 1, the device is held in one hand in such manner that the longer side **18** is immediately adjacent to the fingernails of the other hand. This position permits the exposed portion of the pad **12** to be bent downwardly and pressed against the nails to moisten the nail polish. The device is now reversed to permit forcing of the saturating pad into the cuticle area with the edge of the longer side **20**, and with the rounded corners **21**, as illustrated in Figure 2. The moistened nail polish can now be removed by a series of swift downward and sideward buffing strokes of the pad **12** against the nails.

Figure 8 illustrates a modified version of the invention wherein the pad **10** is provided with additional lines of weakness **26** to form the tear strip **28** having the pull tab **30**. This construction permits the pad **12** to be reversed within the holder **14**, and the upper envelope portion **10***b* to be removed in a manner similar to the removal of portion **10***a*, to expose the opposite edge of the saturated pad **12**. The effect of course is to permit full use of the pad **12** and the nail polish remover contained therein.

From the above description, it will be apparent that the combination device of the invention permits polish to be removed from the nails simply and with a minimum of effort. The construction of the device is such that all the fingernails of one hand can be simultaneously treated, without any necessity of contact between other portions of the hand and the pad saturated with the nail polish

remover. There is therefore no mess and the device acts to keep the hands free and clean of both the polish remover, and old polish smear.

I claim:

1. A device to facilitate the removal of nail polish without smearing, comprising in combination: a rectangular absorbent pad saturated with a nail polish remover containing volatile solvents, a sealed vapor proof envelope having linear lines of weakness providing a tear strip surrounding said pad, and a resilient substantially U-shaped holder having spaced apart planar sides adapted to receive a portion of said envelope and pad therebetween, the sides of said holder corresponding in width to a dimension of said pad from one edge thereof to said tear strip, the length of said sides being less than that of the pad, each of said sides having a substantially linear free edge portion of greater dimension than adjacent portions of said sides, said edge portions terminating in rounded corners which cooperate to facilitate manipulation of the saturated pad when exposed by removal of said tear strip, whereby said envelope and pad can be firmly grasped in one hand to permit smear proof exposure and use of the pad to remove polish from the finger-nails of the other hand.

2. A device as in claim 1 wherein one of the free edge portions of said holder is longer than the other whereby the pad can be bent in the direction of the shorter edge portion to moisten the nail polish to be removed and can then be bent in the other direction to permit forcing of the pad into the cuticle area with the rounded corners of the longer edge.

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