July 23, 1940. A. McKINNEY 2,209,167

CUTICLE PROTECTOR AND PUSHER

Filed Jan. 11, 1940

Fig. 1.

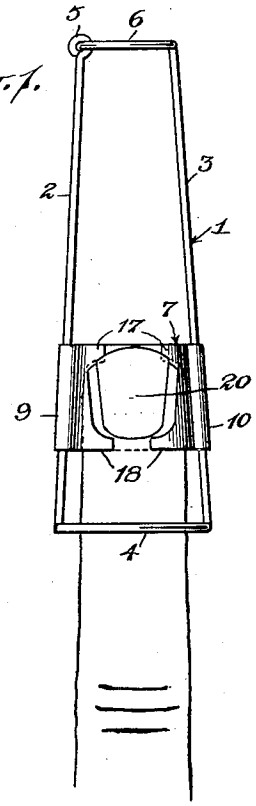


Fig. 2.

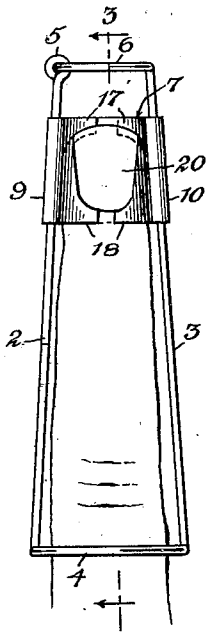


Fig. 3.

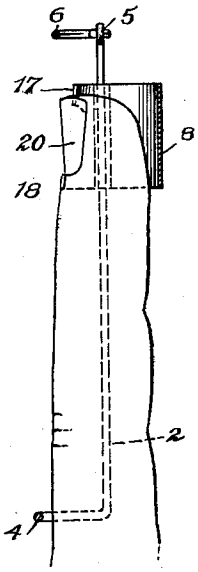


Fig. 4.

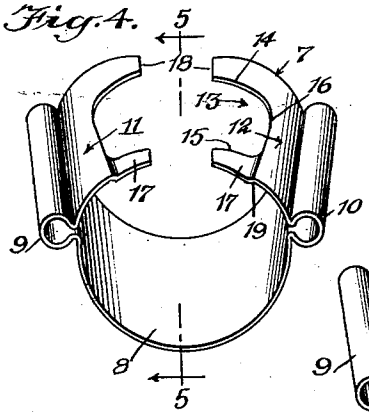


Fig. 6.

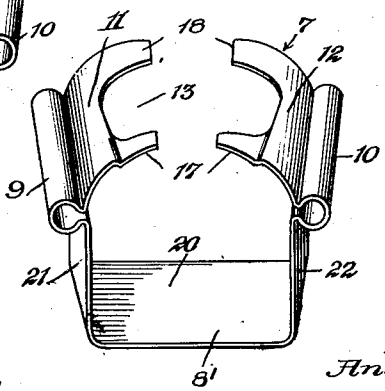
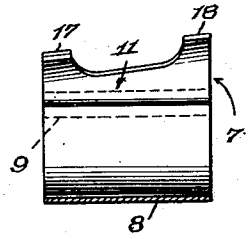


Fig. 5.



WITNESSES

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Patented July 23, 1940 2,209,167

UNITED STATES PATENT OFFICE

2,209,167

CUTICLE PROTECTOR AND PUSHER

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Application January 11, 1940, Serial No. 313,349

5 Claims. (Cl. 132—73)

This invention relates to an improved cuticle protector and pusher, and has for an object to provide a construction which is simple and which effectively covers and protects the cuticle when coloring material or polish is being applied to the nails of a person.

Another object of the invention is to provide an improved cuticle protector and pusher wherein fingers of different sizes may be readily accommodated and the device function properly.

An additional object, more specifically, is to provide a cuticle protector and pusher and a tapered frame for supporting the protector and pusher, the parts being so constructed and arranged that as the protector and pusher is moved from one end of the frame it will become automatically adjusted to fit the finger.

In the accompanying drawing—

Fig. 1 is a plan view of a cuticle protector and pusher embodying the invention, part of a finger being shown in connection therewith;

Fig. 2 is a view similar to Fig. 1 but showing the protector in full functioning position;

Fig. 3 is a sectional view through Fig. 2 approximately on the line 3—3;

Fig. 4 is an enlarged perspective view of the protector and pusher shown in Fig. 1, the same being illustrated as fully open;

Fig. 5 is a sectional view through Fig. 4 approximately on the line 5—5;

Fig. 6 is a perspective view showing a slightly modified construction to that illustrated in Fig. 4.

Referring to the accompanying drawing by numerals, 1 indicates a frame having side guiding rods 2 and 3 merging at one end into an arc-shaped end brace 4 and at the other end merging into an eye 5 and an arc-shaped brace 6 interlocking with the eye 5.

As illustrated particularly in Figs. 1 and 2, the frame 1 tapers from the arc-shaped brace 4 to the brace 6. On this frame is slidingly mounted the protector and pusher 7. This protector and pusher is shown particularly in Fig. 4 and from this figure it will be observed that the protector and pusher is made of a single piece of material, as for instance, metal, but it is understood, of course, that it could be made of several parts connected together. However, the protector and pusher is preferably made as shown in Fig. 4.

The protector and pusher 7 is provided with an arc-shaped body 8 which fits partly around the finger when the device is in use and which merges into tubular guides 9 and 10 slidably mounted on the guide bars or rods 2 and 3. The guide 9 merges into a notched member 11 while the guide 10 merges into a notched member 12. It will be observed that each notch 13 is provided with round ends 14 and 15 and a substantially straight central bottom 16. Each of the members 11 and 12 is provided with what may be called abutment arms 17 and protecting arms 18. The arms 18 are offset, as indicated at 19, so that the arms 17 will fit beneath the nails at each side as illustrated in Fig. 1. The protecting arms 18 will press against the cuticle at and near the base of finger nail 20 when the device is in use.

When a finger is first placed in the device, the nail is arranged as shown in Fig. 1 and then as the frame 1 is pulled toward the hand the tapering position of the rods 2 and 3 will cause the parts 11 and 12 to gradually move toward each other until a proper fit is secured, as shown in Fig. 2. This protects the cuticle around the nail but exposes the complete nail so that it may be polished, colored, or otherwise treated as desired without any chance of the coloring matter being deposited on the cuticle of the finger or on any other part of the finger. By providing the frame 1 tapering from one end to the other, a finger of the proportionate size shown in Fig. 2 may be treated, or a larger or a smaller finger may be treated and the device will function in the same way. If a small finger is being treated the protector and pusher 7 will be near the brace 6, but if the finger is large the protector and pusher 7 will be near the brace 4.

In Fig. 6 a slightly modified construction of protector and pusher is disclosed, wherein the body 8' is substantially rectangular and presents a bottom plate 20 and flat side plates 21 and 22.

It will be evident that various shapes of body 8 could be provided without departing from the spirit of the invention but the members 11 and 12 should be constructed substantially as shown in the accompanying drawing and the material of which the protector and pusher is made should be resilient so as to swing open and closed to fit various size fingers.

I claim:

1. A cuticle protector and pusher including a frame and a protector and pusher formed with means slidably mounted on said frame and a pair of facing pushing and protecting members, each member being formed with a notch having a substantially straight bottom and a pair of curved ends, one of said ends being depressed to push cuticle while the other end fits under the nail of a person using the device.

2. A cuticle protector and pusher including a frame having a pair of converging side bars, and

a protector and pusher formed with a pair of encircling members slidably mounted on said side bars and substantially encircling the bars respectively, said pusher having a pair of facing notched members adapted to be moved toward each other as the pusher is moved toward one end of the frame, whereby said notched members are adapted to cover the outer part of a finger except the nail.

3. A device of the character described including a substantially tubular member divided at one point and formed of a size to fit over the finger of a person, said tubular member having a pair of facing notches at the point of division, whereby front and rear arms are presented, the rear arms being depressed radially inwardly whereby the rear arms are adapted to press cuticle adjacent the inner end of the finger nail while the outer arms fit beneath the outer end of the finger nail.

4. A device of the character described including a tapering frame having converging side rods and a protector and pusher slidably mounted on said frame, said protector and pusher including a body merging into a pair of tubular guide members substantially surrounding said side rods of said frame and a pair of notched members formed with means for engaging a finger beneath the end of the finger nail and also engaging and covering the cuticle of the finger when the parts are in fully functioning position.

5. A device of the character described including a protector and pusher formed of resilient material having an arc-shaped body merging into a pair of substantially tubular guides, said guides having arc-shaped notched members projecting therefrom, said notched members facing each other, one side of each of said notched members having an arc-shaped abutment arm and the other side having an offset protector arm, said offset being radially inwardly.

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