March 23, 1937. F. R. SEYFRIED 2,074,762

DERMATOID GLOVE

Filed Aug. 7, 1935

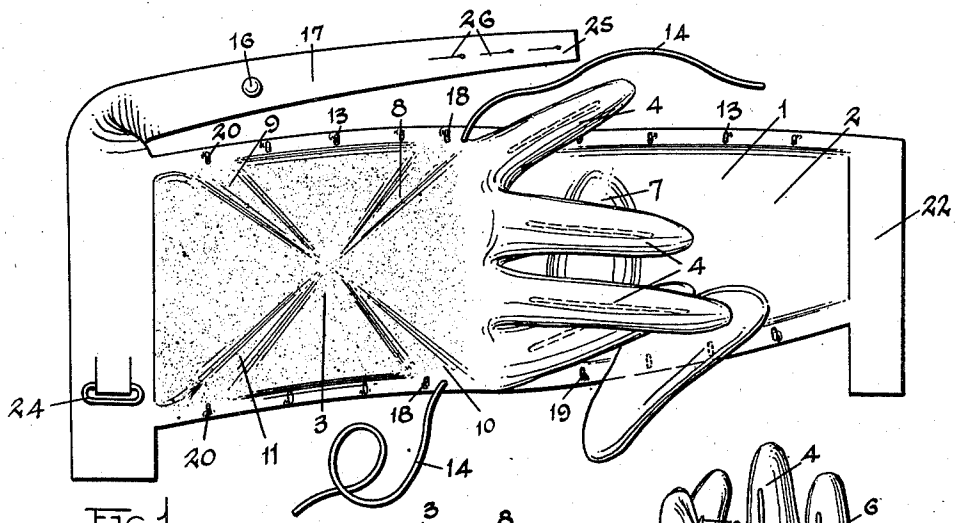

Fig 1

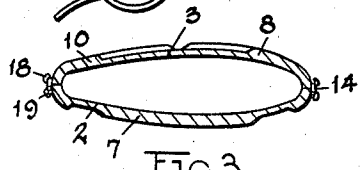

Fig 3

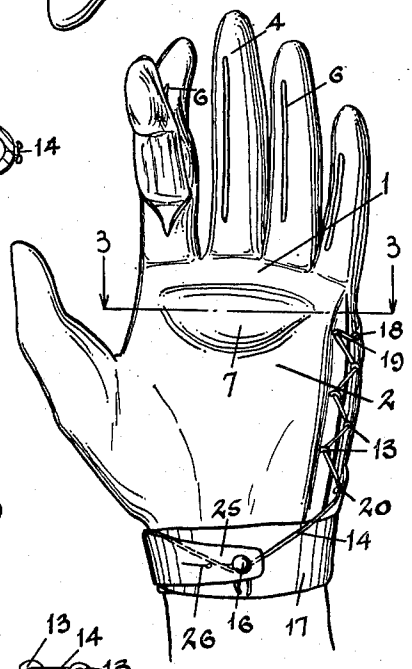

Fig 2

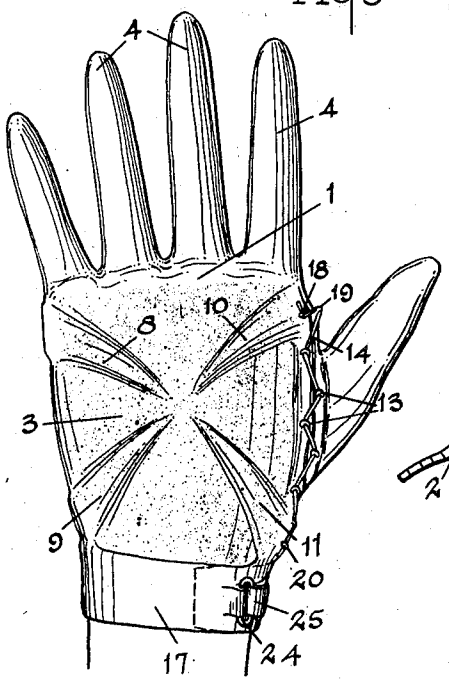

Fig 5

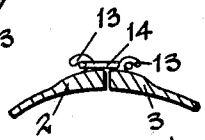

Fig 4

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DERMATOID GLOVE

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4 Claims. (Cl. 128—157)

My invention relates to gloves to be used in connection with various creams and oils in the beautification and softening of the skin of the hands. The glove of my invention may also be used in connection with localized skin infections or such skin diseases of the hand where it is desired to apply medication locally and protect the infected area from exposure and at the same time protect the rest of the skin of the hand from the infection.

One of the objects of my invention is to provide a dermatoid hand glove which covers the hand completely and at the same time permits the wearer to use his hands in ordinary tasks without disturbing the medical or beautifying treatment. The glove of my invention is so constructed as to fit the hand snugly, and the finger portions are constructed so that, should it be necessary that the fingers of the glove be removed, the user can do so without disturbing the position and effectiveness of the other portions of the glove.

A further object of my invention is to provide a dermatoid glove having defined areas of tension whereby tension and gentle massage are constantly maintained, thereby increasing the effectiveness of the beauty oils and lotions or medication commonly used in the treatment of dryness or roughness, or local infection of the hands. As is well known, the back of the hand is susceptible to drying and roughness, inasmuch as the palm is adequately supplied with the natural lubricating oils that keep the skin soft and pliable. The back of the hand receives a minimum of such oils and consequently is susceptible to drying out, roughening, and chapping. The glove of my invention creates definite tensions across the back of the hand whereby the oils and lotions that may be selected by the user are efficiently massaged into the skin, and the skin is rendered soft and pliable.

A still further object of my invention is to provide a dermatoid glove that may be placed over the hand and fastened rather than pulled onto the hand. In medicating or treating the hand it is customary to apply the medication or lotion to the skin, and then place the glove over the medication. In beauty gloves heretofore commonly used, the glove has been pulled on the hand as a gauntlet. Consequently, the medication is pushed away from the infected area, or in the case of beauty lotions and creams, the upper parts of the back of the hand lose the greater part of the lotion and cream as the glove is put on, for the gauntlet type of glove pushes most of the lotion or cream toward the wrist. In the glove of my invention the fingers of the user are inserted in the glove, and the back and palm portions of the glove are positioned over the skin and interfastened, so that the medication or beauty lotion is not displaced by putting on the glove.

The invention consists in other features and advantages which will appear from the following description and upon examination of the drawing. Structures containing the invention may partake of different forms and still embody the invention. To illustrate a practical application of the invention, I have selected a dermatoid glove as an example of the various structures and details thereof that contain the invention and shall describe the selected dermatoid glove hereinafter, it being understood that variations may be made without departing from the spirit of the invention. The particular dermatoid glove selected is shown in the accompanying drawing and described hereinafter.

Fig. 1 of the drawing is a view of the glove shown opened, whereby the palm and back portions are separated from each other. Fig. 2 is a view of the glove in position on a model and shows means whereby the fingers may be made available without removing or disturbing the remaining portions of the glove. Fig. 3 is a view of a section taken along the plane of the line 3—3 in Fig. 2. Fig. 4 shows detailed means whereby parts of the glove may be fastened together. Fig. 5 is a view of the back of the glove on the hand of the user.

The hands are most susceptible to the effects of climate and occupation and consequently must necessarily be treated often with various oils and creams. Heretofore, such treatment has necessitated that the person refrain from the use of her hands, or that, in an effort to protect her hands, she wear cumbersome, heavy rubber or skin gloves. Such gloves are difficult to put on without spoiling the distribution of the lotion or medication and are awkward to wear and cleanse.

The glove of my invention is adjustable to fit the hand to the most efficient degree of snugness and is so constructed that the palm and back portions can be separated, rendering the interior surfaces available for easy cleansing.

The glove of my invention is preferably constructed of soft skin or fabric material adapted to adhere firmly to the skin, and preferably having a needle point perforated back portion, or it may be constructed of porous rubber or any suitable material having pores and adapted to

fit and adhere to the skin of the hand. The glove may be cut and seamed in the well known manner or molded, or it may be constructed from a sheet material to conform to the hand, and the reenforcing parts may be formed by molding, seaming, or over-lapping and fitting through pressure means. The glove is constructed to have openings between the palm and back portions, whereby the portions may be positioned on the hand and then interfastened rather than being pulled over the hand to dislodge or spoil the distribution of medication or beauty creams on the back of the hand.

As shown in the drawing, the glove 1 comprises a palm portion 2 and a back portion 3. The fingers 4 of the glove are adapted to fit the fingers of the user and are slit, as at 6, whereby the fingers of the user may be removed from the glove fingers and made available for use without removing the glove or disturbing the medication. The palm portion is provided with a reinforcement 7 which may, if desired, be seamed or vulcanized or otherwise suitably fastened to the palm portion. The reinforcement 7 assists the user in pulling the finger portions 4 over her fingers, inasmuch as the reinforcement may be grasped and the finger portions pulled over the fingers.

The back portion 3 is provided with yieldable tension distributing ribs 8, 9, 10, 11, by which are created defined areas and lines of pull, and thus the skin of the back of the hand is pulled from center portions of the back of the hand toward the outer portions of the hand. The ribs may be made by overlapping the material and seaming or by molding, and are tapered in width, thereby creating distributed areas of tension and increasing the effectiveness of such oils and medications as may be applied.

The palm portion 2 and back portion 3 are separated from each other and are provided at their side edges with suitable means for interfastening whereby the palm and back portions may be fastened together after the portions have been positioned on the hand. As shown in the drawing the palm portion 2 and the back portion 3 are provided at their side edges with suitable small hooks 13 which may be constructed of metal or rubber having a metal core, in the well-known manner. The upper part of the back portion is provided at each edge and in the vicinity of the finger portions with relatively non-yieldable cords or tapes 14. The hooks 13 on the palm and back portions are staggered with respect to each other, and when it is desired to fasten the palm and back portions together at their edges, the cord is hooked about the hooks 13 sequentially, alternately engaging the hooks on the palm portion and the hooks on the back portion. Thus, the palm and back portions may be connected together at their side edges as tightly or loosely as may be desired. In the case of some infections resulting in swelling of certain parts of the hand, it may be found desirable to have the back and palm portions spaced somewhat from each other at the side edges, while in the case of some beauty treatments, it may be desirable that the palm and back portions be tightly interlaced. Such adjustment can easily be made through the use of the hooks 13 and the cords 14. The cords 14 are wrapped about the protruding button 16 on the wrist band 17, and consequently the adjustment of the back and palm portions with respect to each other, is maintained.

The cords 14 have their sources at the outer edges of the tension ribs 8 and 10, and the ribs 8 and 10 are provided at their outer portions with the hooks 18, which are the first hooks engaged by the cords 14. The palm portion is provided with the hooks 19, which are opposite in assembly and are in the plane of the hooks 18. Thus, in assembling the glove on the hand and fastening the palm and back portions with respect to each other, the cord 14 first engages the hook 18 and then the hook 19, and subsequently the others of the hooks 13. By this means an adjustable tension is created at the outer edge of the tension ribs 8 and 10, and the line of pull so created results in defined tension areas from the center portions of the back of the hand to the outer edge portions of the ribs 8 and 10. It is apparent that the tension created throughout the ribs 8 and 10 may be adjusted by loosening or tightening the pull of the cords 14 on the hooks 18 and 19.

In order to create tension along the tension ribs 9 and 11 toward the wrist from the center portions of the back of the hand, the back portion 3 is provided with hooks 20 located at the outer edge portions of the tension distributing ribs 9 and 11. The hooks 20 are the last to be engaged by the cords 14, which subsequently engage the button 16 on the wrist band 17. When the wrist band is assembled, the button 16 is located near the center front of the wrist, and consequently there is a line of pull from the hook 20 to the central portion of the front part of the wrist, resulting in a tension along the ribs 9 and 11 from the central portion of the back of the hand outward and toward the center and front part of the wrist.

The tension so created and distributed over the back of the hand by the tension distributing ribs increases the effectiveness of creams, lotions, or medications applied. A constant and gentle stimullus to the skin resulting from the tension and massage is brought about which tones up and makes the skin of the hands supple and pliable.

The palm portion 2 is provided with the wrist portion 22 and the back portion 3 is provided with the wrist band 17. When the glove is assembled on the hand of the user, the wrist band 17 is adapted to overlap the portion 22 and to hold the palm and back portions firmly in position. The wrist band 17 is of such length as to completely encircle the wrist of the user and is provided with a suitable loop, slot, or buckle, such as the buckle 24, which is adapted to receive the tapered end 25 of the wrist band. The end 25 is inserted through the buckle 24, which is preferably located near a side edge of the back portion. The end 25 may be provided with suitable slits 26, and the end is brought through the buckle and to the front part of the wrist where it is fastened through one of the slits 26 to the button 16 to hold the lower part of the glove firmly in position about the wrist and prevent lateral movement of the glove with respect to the skin of the wearer.

I claim:

1. A dermatoid glove having porous material and shaped to fit the hand of a person, the glove having finger, palm, and back portions, a wrist band for securing said glove in position relative to the skin of a person, the finger portions adapted to fit the fingers of the user and having slits, the said palm and back portions separated from each other at their side edge sections, means for adjustably connecting the palm and back por-

tions and for drawing at a plurality of points from central portions of the glove, ribs for directively distributing the tension over desired parts of the back of the hand of the user, and means for connecting the connecting means to the wrist band.

2. A dermatoid glove having porous material and shaped to fit the hand of a person, the gloove having finger, palm, and back portions, the finger portions having slits, hooks formed in the side edge portions of the palm and back portions and staggered relative to each other, cords adapted to be engaged by the said hooks and adjustably interconnecting the palm and back portions, ribs for directively distributing the tension over parts of the back of the hand of the person, a wrist band, and means for securing the cords and the wrist band.

3. A dermatoid glove having porous material and formed to have finger, palm, and back portions and formed of elastic material, the back portion having portions of decreasing rigidity and extending diagonally from substantially corner parts of the back portion and toward the center of the back portion, and means for drawing the ridge portions to distribute the pressure over the area of the back portion on the back of the hand of the user.

4. A dermatoid glove having porous material and formed to have finger, palm, and back portions and formed of elastic material, the back portion having portions of decreasing rigidity and extending diagonally from substantially the corners of the back portion and toward the center of the back portion, the glove having openings located on opposite sides of the back portion and extending the length of the palm from substantially the wrist to the knuckles, and means for drawing the edge portions of the openings towards each other to increase and distribute yielding pressure over the area of the back of the hand of the user.

FLORENCE R. SEYFRIED.