July 28, 1936. R. O. SCHMIDT 2,049,323

WASHING GLOVE OR MITTEN

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FIG. 1

FIG. 2

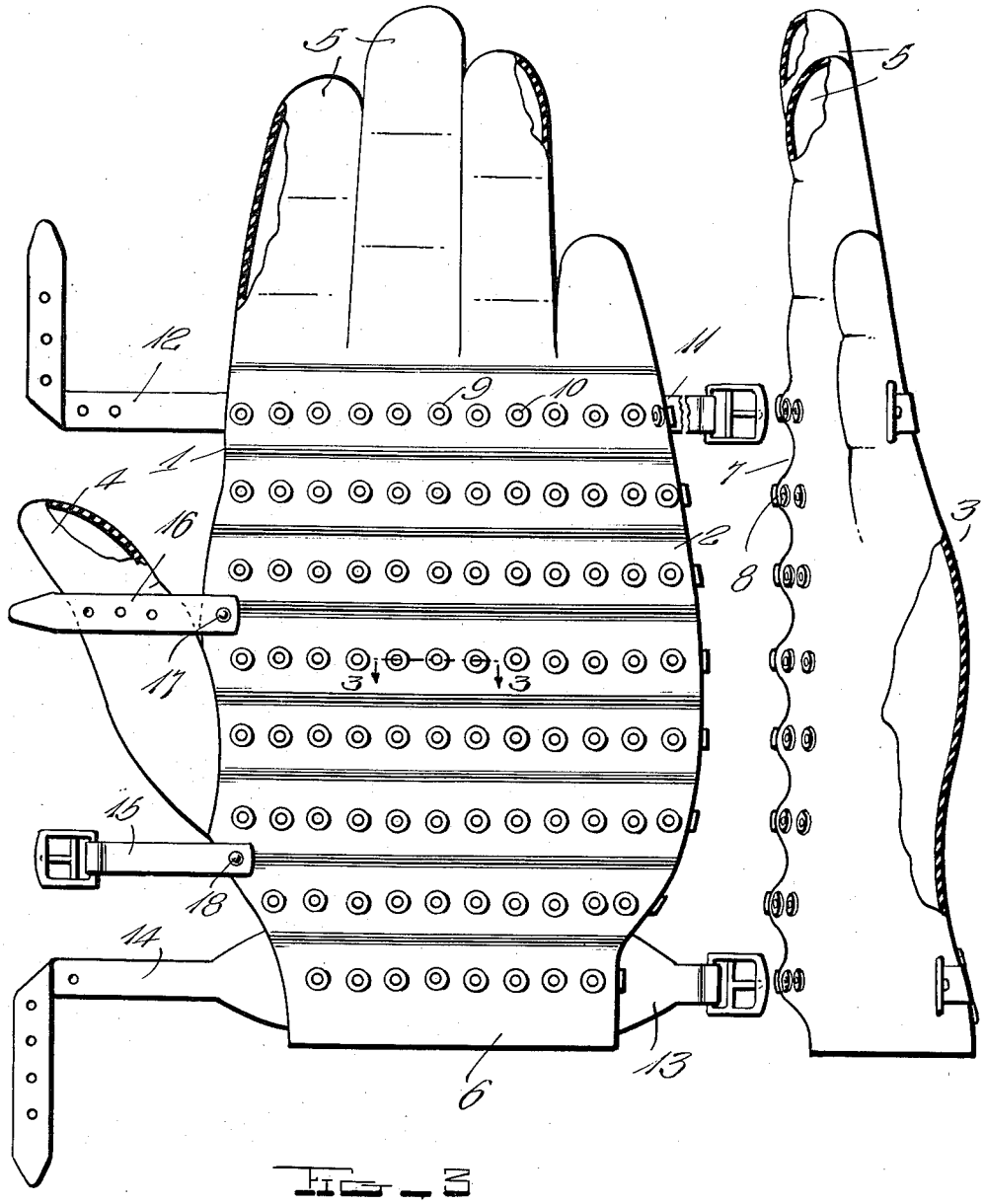


FIG. 3

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FIG. 4

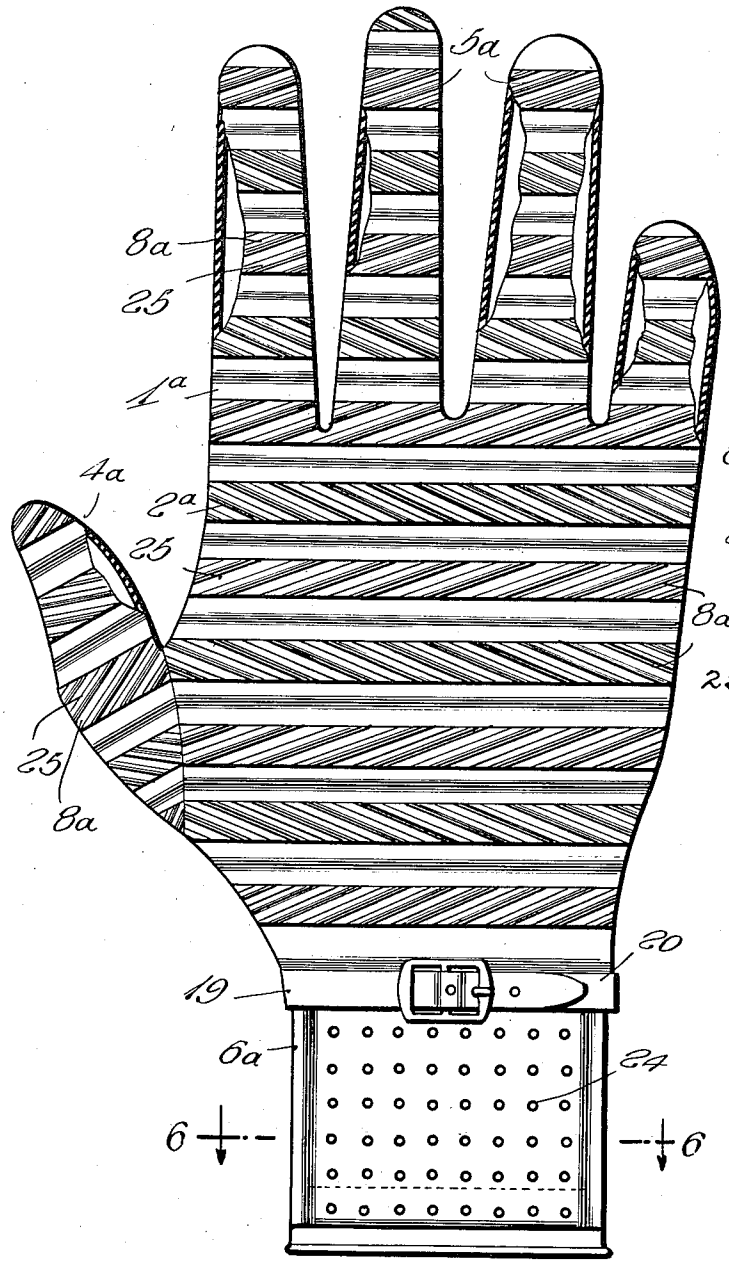


FIG. 5

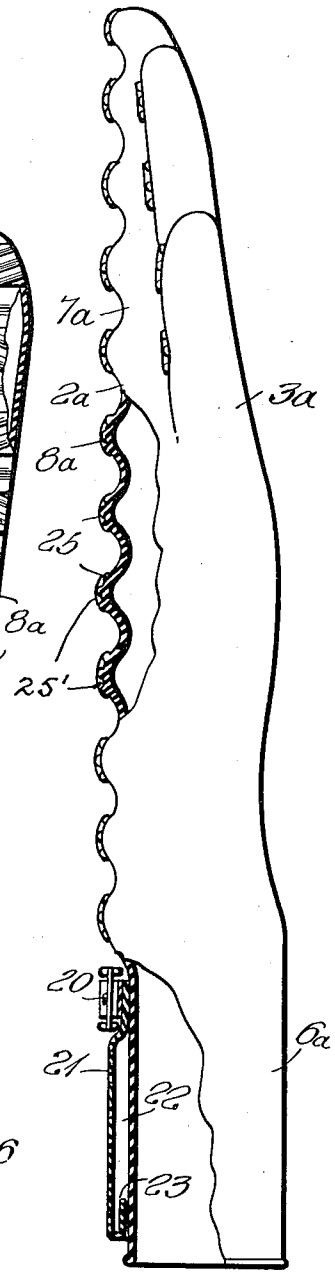
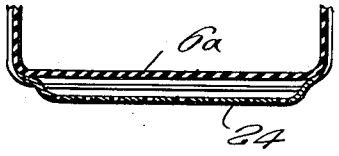


FIG. 6



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Patented July 28, 1936 2,049,323

UNITED STATES PATENT OFFICE

2,049,323

WASHING GLOVE OR MITTEN

Remmer O. Schmidt, Palacios, Tex.

Application May 28, 1935, Serial No. 23,898

3 Claims. (Cl. 68—8)

This invention relates to a glove or mitten designed to be worn upon the hand to facilitate and render easier the washing of clothes and other articles, and particularly lingerie, silk hose or stockings, and men's silk underclothes, and other silk articles.

One object of the invention is to provide a glove or mitten of this character whereby a vigorous washing operation may be performed to effect a quick and thorough washing action without injury to the hand or hands of the operator.

Another object of the invention is to provide a glove or mitten of this character having a novel construction and arrangement of corrugated rubbing surfaces, whereby the washing action is promoted.

Still another object of the invention is to provide a glove or mitten of this character having means for holding a cake of soap in a secure manner and in such manner that in the washing action soapsuds will be automatically formed.

The invention consists of the features of construction, combination and arrangement of parts, hereinafter fully described and claimed, reference being had to the accompanying drawings, in which:—

Fig. 1 is a plan view, partly broken away, looking toward the palm side of a glove or mitten embodying my invention.

Fig. 2 is a side elevation of the same, with parts broken away.

Fig. 3 is a section on the line 3—3 of Fig. 1.

Fig. 4 is a view similar to Fig. 1 showing another form of construction.

Fig. 5 is a view similar to Fig. 2 of the glove or mitten shown in Fig. 4.

Fig. 6 is a section on the line 6—6 of Fig. 4.

Referring now more particularly to Figs. 1, 2, and 3 of the drawings, 1 designates as a whole my improved washing or scrubbing glove or mitten, which, as shown, comprises a body having the palm portion 2 and back portion 3, said body portion being provided with the thumb portion 4, finger portions 5 and a wrist portion 6.

The palm portion 2 is transversely corrugated to provide the concave channels or concavities 7 and the convex projections or ribs 8 alternating in arrangement therewith, whereby a rubbing surface is produced. The ribs or convex portions 8 are each provided with a transverse row or series of stud-like rubbing projections 9, each of which is preferably formed with a cup or recess 10 designed to set up a suction-like action between the glove and the article or surface being washed during the washing action to increase the rubbing and cleaning effect. A suction-like cup or recess 25' may also be used or manufactured on washing glove shown in Figs. 4, 5, and 6, and vice versa.

The glove or mitten may be provided with suitable means for holding or assisting in holding it upon the hand of the wearer. In the present instance the forward portion of the glove body is shown as provided with straps 11 and 12 at opposite sides thereof, the strap 11 being provided with a buckle and the strap 12 being provided with perforations for engagement with the buckle tongue, whereby such portion of the glove may be drawn about the forepart of the hand of the operator. The sleeve portion of the glove is also shown as provided with similar straps 13 and 14 for connection with each other to hold such portion of the glove upon the hand of the wearer. In addition, a buckle strap 15 and tongue strap 16 may be pivotally mounted, as shown, respectively at 17 and 18, upon the palm portion of the glove in front and rear of the thumb portion 4, which strap members may be extended across the back of the thumb portion and connected to hold such portion of the glove connected with the thumb of the hand of the wearer.

In the use of the device it is slipped upon the hand of the wearer and the palm portion of the glove employed for use in a hand washing or cleansing operation for clothes or other articles. In such operation, the glove while protecting the hand of the wearer, provides rubbing surfaces of novel construction to give a greatly increased rubbing or cleansing effect, whereby the articles may be more quickly and thoroughly washed or cleansed and as vigorous a rubbing action exerted as desired without injury to the hand of the operator.

In practice the glove, in whole or in part, may be made of any suitable material, such as sheet aluminum, copper, brass or other sheet metal, or of composition rubber, hard rubber or rubber vulcanized to any suitable degree. In practice, however, I preferably make the glove of semi-vulcanized rubber, so that a glove of sufficient stiffness for a hard rubbing action but of sufficient elasticity to increase the rubbing effect may be produced. The glove may be made for single use in either right or lefts, that is, for use upon either the right hand or left hand of the operator, or in pairs, and in different sizes to fit different sizes of hands, or in any color.

In the form of construction disclosed in Figs. 4 to 6, inclusive, the glove 1a comprises a body having a palm portion 2a, a back portion 3a, a thumb

portion 4*a*, finger portions 5*a* and an elongated wrist extension 6*a*, so that a gauntlet-like type of glove is produced. The gauntlet or sleeve may be of any suitable length. The palm of this glove is also provided with corrugations forming channels or concavities 7*a* and ribs 8*a* arranged in alternation therewith. The thumb and finger portions of the glove instead of being smooth-surfaced may also be provided, as shown, with corrugations similar to those on the palm portion, thus increasing the area of the rubbing surface of the glove. The wrist portion of the glove, or the body portion of the glove adjacent thereto, is provided with tongue and buckle straps 19 and 20 to secure or assist in securing the glove upon the hand of the wearer. In this form of the glove the wrist extension 6*a* is provided with an outer ply 21 of material, secured at its forward and side edges to the wrist portion so as to provide a pocket 22 for the reception of a cake or bar of soap, said pocket having a mouth or entrance portion formed between the wrist portion and the free edge of the ply 21. This free edge of the ply is preferably provided with an inturned retaining flap 23 which may be tucked under the cake of soap to retain the same in position against any possibility of displacement. The body of the ply 21 is formed throughout with spaced perforations 24 for the passage of the water or cleansing fluid therethrough into the pocket 22 so as to come in washing contact with the contained cake of soap and produce a suds or lather for use in the cleansing operation. As the glove is manipulated or moved in various directions in the water or washing solution the ply 21, which is sufficiently flexible, is moved inwardly and outwardly or vibrated so that the suds or lather as formed will issue through the perforations 24 so as to supply the washing fluid with a sufficient supply of suds at all times for use. This form of the glove, like that disclosed in Figs. 1 to 3, inclusive, may be made of any of the materials named and, in the use of metal, the ply 21 may be made of metal sufficiently flexible or yielding for the purpose set forth.

To increase the rubbing effect of the ribs 8*a* each rib is preferably provided with diagonal smaller ribs 25.

This washing glove can be used for many other things in the house such as opening threaded caps on transparent jars, handling hot cooking utensils, while cooking, taking out clothes from boiling water, washing dishes, so that the soapy plate may not slip out of the operator's hands so easily, and also prevents manicured fingernails of the operator from becoming stained, while washing clothes or dishes, or anything that requires washing with soap and water, handling ice-cubes from refrigerators, so that the hands may not be chilled.

What I claim is:—

1. A washing glove comprising a body including a wall forming a palm portion, said wall being corrugated to provide parallel transverse valleys and rubbing ribs alternating therewith and cupped rubbing projections on the ribs.

2. A washing glove comprising a body including a wall forming a palm portion, said wall being corrugated to provide parallel transverse valleys and rubbing ribs alternating therewith and rows of rubbing projections on the crests of said ribs.

3. A washing glove comprising a body including a wall forming a palm portion, said wall being corrugated to provide parallel transverse valleys and rubbing ribs alternating therewith and diagonal rubbing projections on said ribs.

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