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STOCKING DRYING FORM

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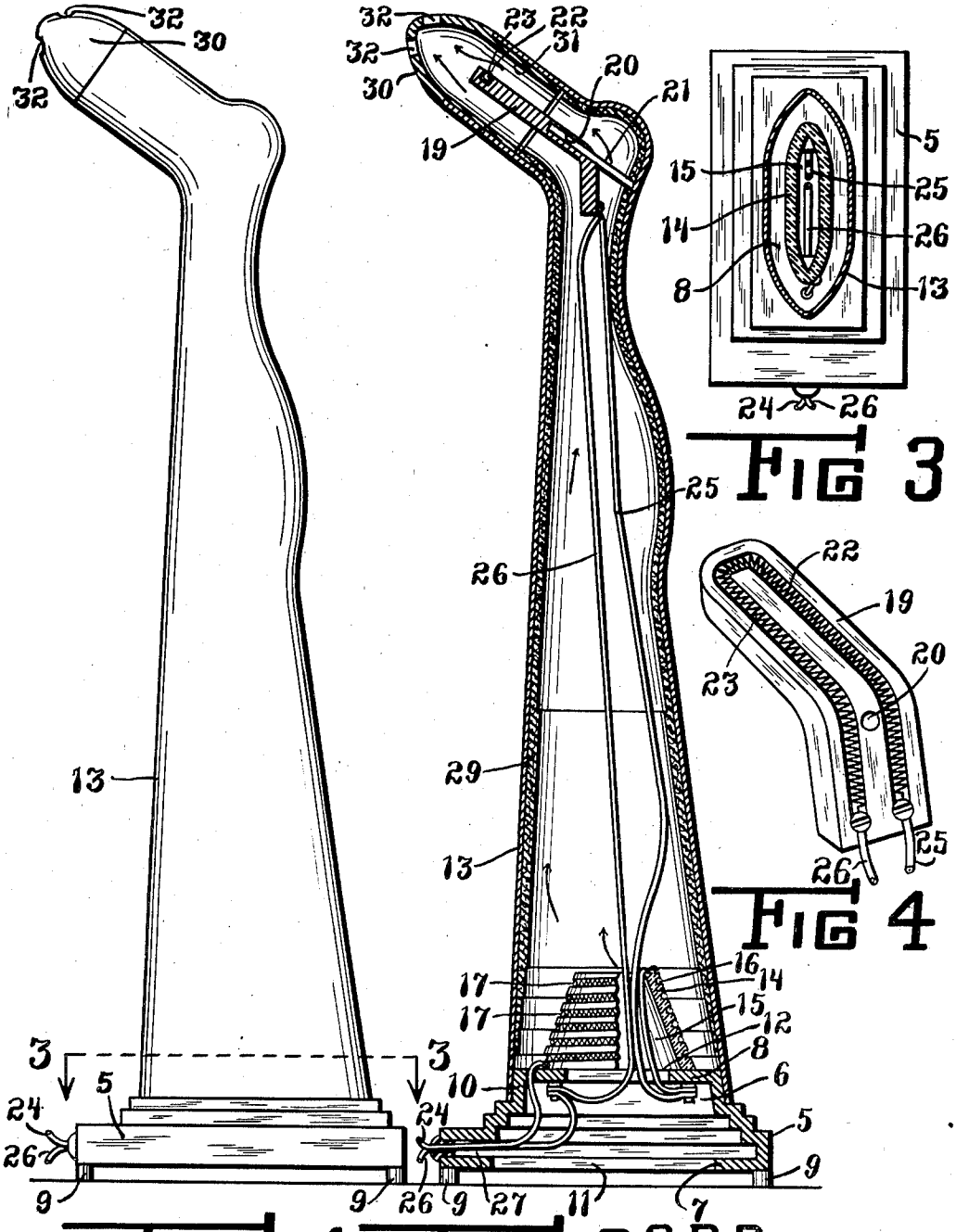


FIG 1 FIG 2

FIG 3

FIG 4

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STOCKING DRYING FORM

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1 Claim. (Cl. 223—76)

This invention relates to improvements in forms for drying stockings.

Objects of the invention are to provide a stocking form of simple, durable construction, which can be economically manufactured; which may be adjusted to fit stockings of different sizes and which may be conveniently used and will be extremely efficient in operation.

Other objects are to provide a hollow stocking form having improved means positioned in the cavity thereof for heating different portions thereof to different degrees of temperature whereby a stocking constructed with reinforced portions such as the top bands, heels and toe portions may be quickly and evenly dried without injuring the fabric thereof.

Further objects are to provide a hollow stocking form having electrically operated heating means in the cavity thereof and provided with draft vents at the top and bottom thereof for effectively circulating heat therethrough and to provide heat insulating means for the wall thereof arranged to maintain certain areas thereof at a relatively low temperature.

The above objects are accomplished and additional ends are attained by the novel construction, combination and arrangement of parts hereinafter described and illustrated in the accompanying drawing wherein there is shown a preferred form of the invention, it being understood that the invention is capable of various adaptations and that changes and modifications may be made which come within the scope of the claim hereunto appended.

In the drawing:

Figure 1 is a side elevational view of a stocking drying form constructed in accordance with this invention,

Figure 2 is a central, vertical, sectional view of same,

Figure 3 is a cross sectional view taken as indicated by the lines 3—3 of Figure 1,

Figure 4 is a perspective view of one of the parts employed in carrying out the invention.

Proceeding now to a detailed description of the invention with reference to the particular adaptation thereof disclosed in the drawing, the numeral 5 denotes a hollow base which is provided with a cavity 6. The base 5 has a bottom wall 7 and a top wall 8. The numeral 9 denotes legs which support the bottom wall 7 in spaced relation above the surface on which the form is positioned.

The base 5 is provided on the upper side thereof with an upstanding projection 10 which forms a plug adapted to be received in the bottom of the form hereinafter described. The bottom wall 7 is provided with a draft opening 11 and the upper wall 8 is provided with a draft opening 12 for a purpose to be hereinafter described.

The numeral 13 denotes a hollow form conforming in shape and size to a stocking. The lower portion of the form 13 is fitted over the plug 10 on the base 5 and is suitably secured thereto. The numeral 14 denotes a support for a heating element which is positioned on the wall 8 and projects upwardly in the cavity of the form 13. The supporting element 14 is preferably formed of porcelain or other suitable insulating material and, as shown in the drawing, is provided with tapered side walls enclosing a cavity 15 which extends vertically therethrough. The supporting element 14 is provided on the outer side thereof with a spiral groove 16 in which is mounted a suitable resistance element 17.

The numeral 19 denotes a supporting element which is composed of porcelain or other insulating material and which is provided with a bore 20 for receiving the pin 21 which is secured to the inner face of the head portion of the form so as to project toward the toe portion thereof. The supporting element 19 is provided with a groove 22 in which is mounted a resistance element 23. While the resistance elements 17 and 22 may be connected in any suitable way to a source of electrical energy, in the drawing I have shown a conductor wire 24 which is secured to the lower end of the filament 17 and a conductor wire 25 which is secured to the upper end thereof with the other end of the wire 25 operatively secured to one end of the filament 23.

The numeral 26 denotes a conductor wire which is secured to the other end of the filament 23 and which leads downwardly through the base 5 with the wires 24 and 26 projecting through a suitable opening 27 in the side wall of said base whereby the said wires 24 and 26 may be operatively connected to a source of electrical energy.

The numeral 29 denotes heat insulating material which may be formed of sheet asbestos or any suitable material and which is secured to the interior face of the form 13 to insulate certain areas thereof.

It will be seen that the insulating material 29 is omitted from the extreme lower portion of the form and that the said insulating material is thickened in a series of steps with the portion of the wall positioned directly above the supporting member 16 of greater thickness. The foot

portion of the form 13 is open at the upper end thereof and a toe portion 30 is slidably received therein. The exterior face of the toe portion 30 is disposed in the same plane with the wall of the foot portion of the form 13 so as to form a continuation thereof. The toe portion 30 is provided with a reduced portion 31 which fits the cavity of the foot portion 13 whereby the toe portion 30 may be moved outwardly to completely fill the foot portion of different sizes of stockings. The toe portion 30 is hollow and is provided with openings 32.

In use, the conductor wires 24 and 26 are connected to a source of electrical energy and the toe portion 30 of the form 13 is moved to fit the foot portion of the stocking to be dried. The stocking is then placed on the form with the open end portion thereof positioned near the bottom of the form 13. As the lower portion of the form is not provided with insulated material, heat from the element 17 will cause the lower portion of the form to become hotter than the main body portion thereof.

The foot portion of the form is heated by the element 23 whereby the heavy portions of the stocking around the foot and at the open end thereof will be subjected to a greater heat than the remaining portions thereof. When the filament 17 is operated the heat created thereby will rise in the cavity of the form 13 causing air to enter through the opening 11 and flow from the opening 32 in the toe portion 30. If desired, the element 17 may be interposed in a separate electric circuit and operated without the element 23 and the heat therefrom distributed through the form by convection.

Having thus illustrated my invention and described the same in detail, what I claim as new and desire to secure by Letters Patent is:

In a device of the character described, a hollow base having an upstanding plug, a hollow stocking form positioned on said base with said plug received in the lower end thereof, said base provided with an inlet opening and said plug provided with an opening therethrough communicating with the cavities of the form and base; an electrical heating element positioned on said plug immediately above the base opening and surrounding the opening in the plug; the toe portion of said form provided with an outlet opening substantially as and for the purpose herein set forth.

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