June 30, 1925. 1,543,829

A. G. DOYLE

DRIER FORM

Filed June 26, 1922

Fig. 1.

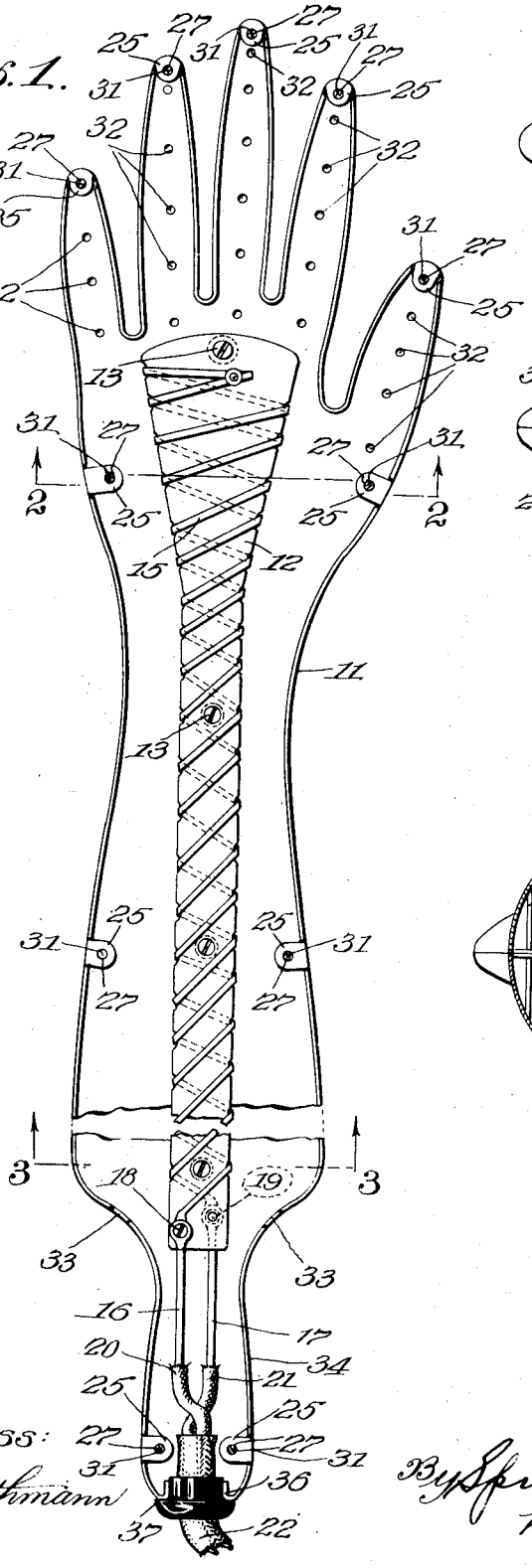


Fig. 4.

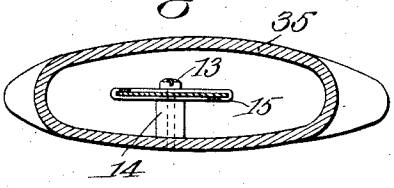


Fig. 2.

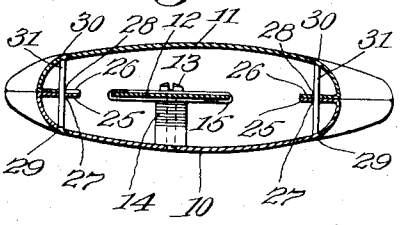
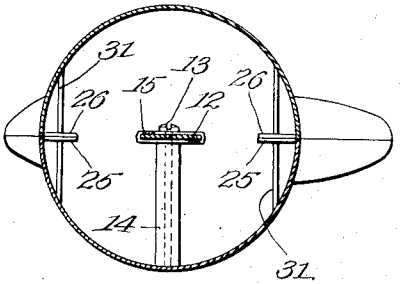


Fig. 3.



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UNITED STATES PATENT OFFICE.

ANN G. DOYLE, OF CHICAGO, ILLINOIS.

DRIER FORM.

Application filed June 26, 1922. Serial No. 571,007.

To all whom it may concern:

Be it known that I, ANN G. DOYLE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Drier Forms, of which the following is a specification.

The invention relates to drier forms upon which an article of clothing such for example as a glove may be placed while being dried.

The primary object of the invention is to provide a drier form which will keep the article of clothing, such for example, as a glove, in its proper or normal shape and prevent shrinking or twisting while being dried.

A further object of the invention is to provide a drier form upon which a glove, for example, may be placed and dried by heat applied to the interior of the form.

A further object of the invention is to provide a drier form upon which a glove or the like may be quickly dried and be free of wrinkles when removed from the form after drying.

A further object of the invention is to provide a drier form that may be readily attached to electric wiring systems such as are commonly found in dwellings, hotels, apartment houses and the like.

A further object of the invention is to provide a drier form that will be light and one that can be readily packed in a trunk or grip for use when traveling.

A still further object of the invention is to provide a drier form that will be efficient, durable and economical of manufacture.

Other objects of the invention will appear from the following description which is directed to the preferred embodiment thereof, reference being had to the accompanying drawing forming a part of the specification, the features of novelty being pointed out more particularly in the appended claims.

The invention contemplates a hollow shell-like form made of any suitable material with any suitable heating element placed therewithin for supplying heat for drying purposes and may be molded or stamped from sheet metal with its component parts riveted or otherwise secured together. As described in the specification and illustrated in the accompanying drawings the body portion of the improved drier form is made of aluminum and preferably in two sections stamped from a thin sheet of aluminum and the sections riveted together. An electric heating coil is provided within the form for supplying heat for rapidly drying a glove placed over the form.

Fig. 1 is a plan view of one of the sections of a glove drier form showing the electric heating coil affixed thereto with service wire connections.

Fig. 2 is a vertical transverse section of the improved glove drier form taken on line 2—2 of Fig. 1.

Fig. 3 is a vertical transverse sectional view of the invention taken on line 3—3 of Fig. 1, looking in the direction of the arrows.

Fig. 4 is a view similar to Fig. 3 of a modified form of the invention.

Like reference characters indicate like parts throughout the several views of the drawings.

The body or arm portion of the improved glove drier form as illustrated in the drawings comprises a bottom section 10 and a top section 11. Plate 12, which may be made of asbestos, mica or any suitable insulating material, is secured to section 11 in any suitable manner, as by screw threaded bolts 13 and is held in spaced relation thereto by hollow insulating posts 14 through which bolts 13 pass and have screw threaded engagement with section 10 at their outer ends. A resistance wire 15 is wound around insulating plate 12 with its ends attached to conductor rods 16, 17 as at 18, 19, the conductor rods being attached at their opposite ends to service wires 20, 21 of insulated cable 22 which is provided with screw threaded plug 36 for screw threaded engagement with the end of handle 34 as at 37. Cable 22 has the usual screw threaded plug or slip switch connection, not shown, at its outer end for making connection with the electric service wires of a building in the usual manner.

Sections 10 and 11 have inwardly extending lugs or ears 25, 26 respectively which have apertures 27, 28 therethrough and which are adapted to register with apertures 29 and 30 through sections 10 and 11 respectively for the reception therethrough of tie pins 31, when the parts are assembled as shown in Fig. 2. While in the drawings the tie pins 31 are shown in the form of rivets, it is obvious that these pins may be

made in the form of bolts screw threaded at their outer ends for engagement with one of the sections for properly securing the sections together in a detachable manner. Sections 10 and 11 have perforations 32 in the thumb and finger portions thereof for the escape of the heated air from the interior of the form, and apertures 33 in the handle portion 34 of the drier form forming air inlet ports therein. The provision of outlet ports for the heated air from within the drier form and inlet ports for the admission of atmospheric air to the interior of the drier form results in a continuous circulation of air through the form, which greatly increases the process of evaporation of moisture from a wet glove placed on the form to be dried.

In Fig. 4 of the drawings is shown a modified form of the invention in which the body portion of the glove drier form is cast in one piece 35 of any suitable material.

It will be appreciated that a glove drier form made of thin aluminum and in accordance with the foregoing disclosure will be light and can be conveniently carried in a trunk or suitcase when travelling and can be readily attached to the electric system of a hotel or the like for immediate use.

In the employment of my improved drier form the form is grasped by the handle 34 and a glove to be dried is placed on the form with the finger portions thereof extending into the fingers of the glove and the forearm portion of the glove drawn downwardly over the form when the form with the glove thereon may be laid on a support such as a table, dresser or the like and the electrical connection made with the electric system in a hotel room or the like, when the glove will be perfectly dried within a few minutes and the electrical connection may be broken. The glove drier form being made of aluminum will quickly give off its heat and become cool when the glove may be safely removed therefrom without danger of burning the hand of the user. A glove dried in this manner when removed from the drier form will be found to be free of wrinkles and to have maintained its normal and proper shape.

It will be apparent that a soiled glove may be placed over the form and cleaned with a liquid cleaner and the heating element within the form operated for drying the glove.

In order that the invention might be understood, I have shown the details of the preferred embodiments of my invention, but it is not desired to be limited to the mere details of construction, for it will be apparent that persons skilled in the art may resort to various modifications without departing from the purpose and spirit of the invention.

I claim:

1. A drier form comprising two sections of stamped metal, ears carried by the respective sections having openings therethrough, there being corresponding openings in said sections registering with the openings in said ears, and rivets passing through all of said openings for securing said sections together.

2. A drier form comprising two sections having apertures through the walls thereof, ears carried by the walls of the sections and having apertures therethrough, the apertures through the walls of the sections and the apertures through the ears carried by the walls of the sections having securing members therethrough for securing the sections together, and an electrically heated element secured to one of said sections and held in spaced relation thereto for heating said drier.

In testimony whereof I have signed my name to this specification, on this 21st day of June, A. D. 1922.

ANN G. DOYLE.