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C. L. GOWAN
GLOVE DRYING DEVICE
Filed June 9, 1922

Fig. 1.

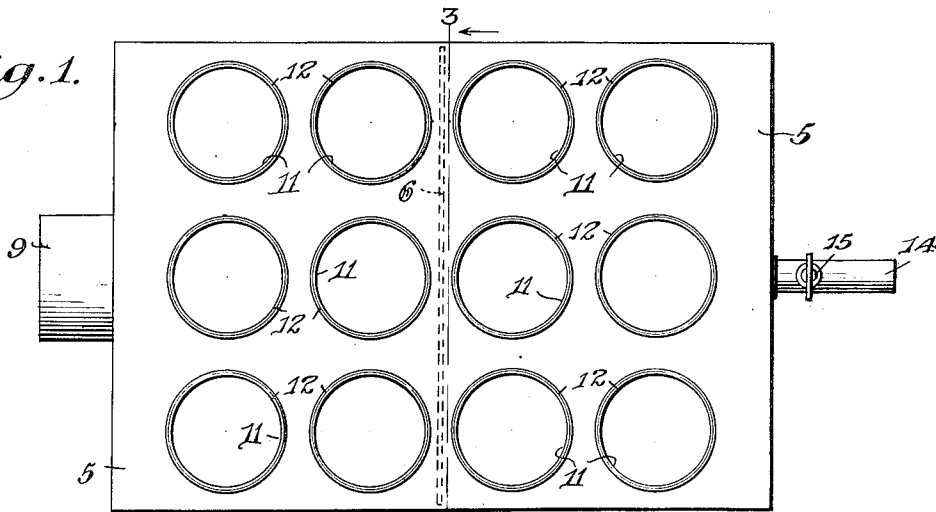


Fig. 3.

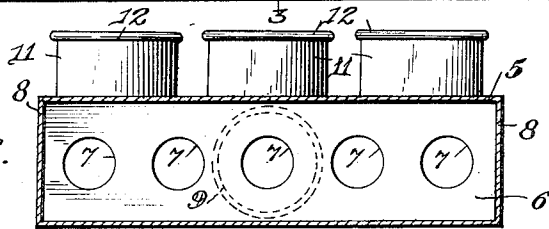
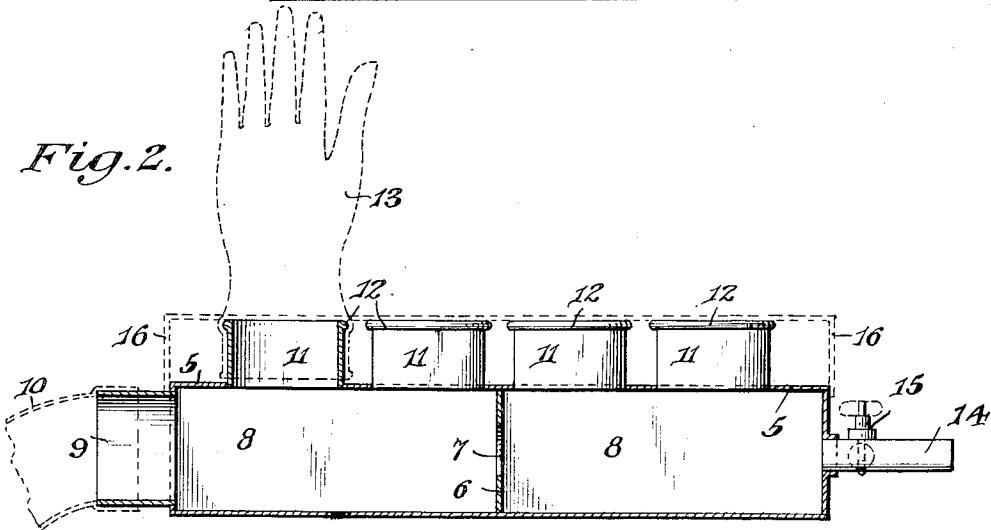


Fig. 2.



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CARRIE L. GOWAN, OF DUNCAN, OKLAHOMA.

GLOVE-DRYING DEVICE.

Application filed June 9, 1922. Serial No. 567,009.

To all whom it may concern:

Be it known that I, CARRIE L. GOWAN, a citizen of the United States, residing at Duncan, in the county of Stephens and State of Oklahoma, have invented certain new and useful Improvements in Glove-Drying Devices, of which the following is a specification.

The invention relates to a drying device and more particularly to the class of sanitary surgical glove driers.

The primary object of the invention is the provision of a drier of this character, wherein the construction thereof enables surgical gloves, such as rubber gloves or the like, to be positioned thereon, so that same can be thoroughly dried and at the same time will avoid any possibility of the material of the glove, either in the body or its fingers, from sticking together which ordinarily occurs should the glove when wet be laid on a tray or the like for the drying thereof.

Another object of the invention is the provision of a drier of this character, wherein the desired air can be admitted thereto for inflating the glove when engaged upon the drier and should excessive air pressure be established therein, the same can be emitted, thus avoiding the possibility of damage to the glove during the drying operation of the drier.

A further object of the invention is the provision of a drier of this character, which enables the drying of gloves, especially surgical gloves, in a unique and sanitary manner.

A still further object of the invention is the provision of a drier of this character which is extremely simple in construction, thoroughly reliable and efficient in its purpose, possessing few parts, durable, strong and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the claims hereunto appended.

In the accompanying drawings:—

Fig. 1 is a top plan view of the drier constructed in accordance with the invention,

Fig. 2 is a vertical, longitudinal, sectional view thereof, showing by dotted lines, the

air inlet, the cover for the drier and a glove in position when applied,

Fig. 3 is a sectional view on the line 3—3 of Fig. 1.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, the drier comprises a hollow, substantially, rectangular shaped body 5, simulating a box closed at its bottom, top, sides and ends, while within said body centrally thereof and extending transversely of the same is a vertical partition 6 having a row of spaced holes or apertures 7, so that inter-communication is had between the interior compartments 8 on opposite sides of the partition, the partition being designed to give strength and rigidity to the body, thereby avoiding the sagging of the top.

Formed on a projection centrally from one end of the body is a tubular nipple 9 to which is attached a conduit 10, which may be in the form of a rubber hose or otherwise, and leads from an air supply apparatus or heater of the hot air type, so as to supply air under pressure within the body for the drying process hereinbefore described.

Formed on and rising from the top are longitudinal transverse rows of spaced thimbles 11 formed with rounded or rolled flanged mouth edges 12, the flanges being exteriorly thereof and adapted to be telescoped over each of these thimbles is the wrist portion of a surgical glove 13, as shown in dotted lines in Fig. 2 of the drawing for the drying thereof. The flanged mouth of each thimble 11 is provided to prevent the slipping of the glove 13 when telescoped thereover from the thimbles on subjecting the glove to air pressure for its inflation.

At the other end of the body 5 is an air outlet pipe 14 having therein an air escape valve 15, which in Figs. 1 and 2 is shown as a hand operated valve, yet it is to be understood that in lieu thereof, another type of valve may be substituted so long as it be applicable to and suitable for the device.

In the use and operation of the drier, a surgical glove, or gloves, to be dried, each is placed to telescope over the thimbles 11 as is shown by dotted lines in Fig. 2 of the drawing. Thereafter, the air apparatus is turned on to be active and the air therefrom, preferably hot, is conducted through the conduit

10 and nipple 9 into the compartment 8 within the body 5, thence through the thimbles 11 into each glove 13 for inflating the same to a predetermined pressure, whence the excessive air pressure will be emitted through the pipe 14 by the opening thereof, either by manipulation of the hand valve 15 or by the action of another type of valve.

The air will dry the gloves and thus by the inflation of said gloves, during the drying process, the material thereof will be prevented from sticking together, as is common when the gloves are wet and placed upon a tray or other support for the drying thereof.

It is of course understood that the thimbles 11 not covered with gloves in the use of the device may be suitably covered with caps, so that the air will not escape from the body 5, only into the glove or gloves to be dried.

When the device is not in use, there is a removable cover 16 provided as shown by dotted lines in Fig. 2, which is placed thereon as shown in said Fig. 2 of the drawing and may serve as a tray when removed therefrom.

It will be apparent that by the drying of the gloves in the use of the device, the said gloves are rendered sanitary as the necessity of the handling of the same during the drying process is eliminated.

From the foregoing, it is thought that the construction and manner of use of the drier will be clearly understood, and therefore, a more extended explanation has been omitted.

What is claimed is:—

1. A drier of the character described, comprising a hollow body having a nipple at one end constituting an air inlet and a valve or pipe at the other end constituting an air outlet, a plurality of thimbles rising from the top of the body and having externally rounded mouth edges, each thimble being adapted for the telescopic engagement there-

over of the wrist of a glove for the inflation of the same with air from within the body, and a conduit adapted to be connected with an air supply and engaged over the nipple for transmitting air to the body.

2. A drier of the character described, comprising a hollow body having a nipple at one end constituting an air inlet and a valve or pipe at the other end constituting an air outlet, a plurality of thimbles rising from the top of the body and having externally rounded mouth edges, each thimble being adapted for the telescopic engagement thereover of the wrist of a glove for the inflation of the same with air from within the body, a conduit adapted to be connected with an air supply and engaged over the nipple for transmitting air to the body and an apertured partition within the body and disposed intermediate its ends, transversely thereof for dividing said body into intercommunicating chambers.

3. A drier of the character described, comprising a hollow body having a nipple at one end constituting an air inlet and a valve or pipe at the other end constituting an air outlet, a plurality of thimbles rising from the top of the body and having externally rounded mouth edges, each thimble being adapted for the telescopic engagement thereover of the wrist of a glove for the inflation of the same with air from within the body, a conduit adapted to be connected with an air supply and engaged over the nipple for transmitting air to the body, an apertured partition within the body and disposed intermediate its ends, transversely thereof for dividing said body into intercommunicating chambers, and a cover for the thimbles and adapted to serve as a tray for the gloves carried thereby.

In testimony whereof, I affix my signature hereto.

CARRIE L. GOWAN.