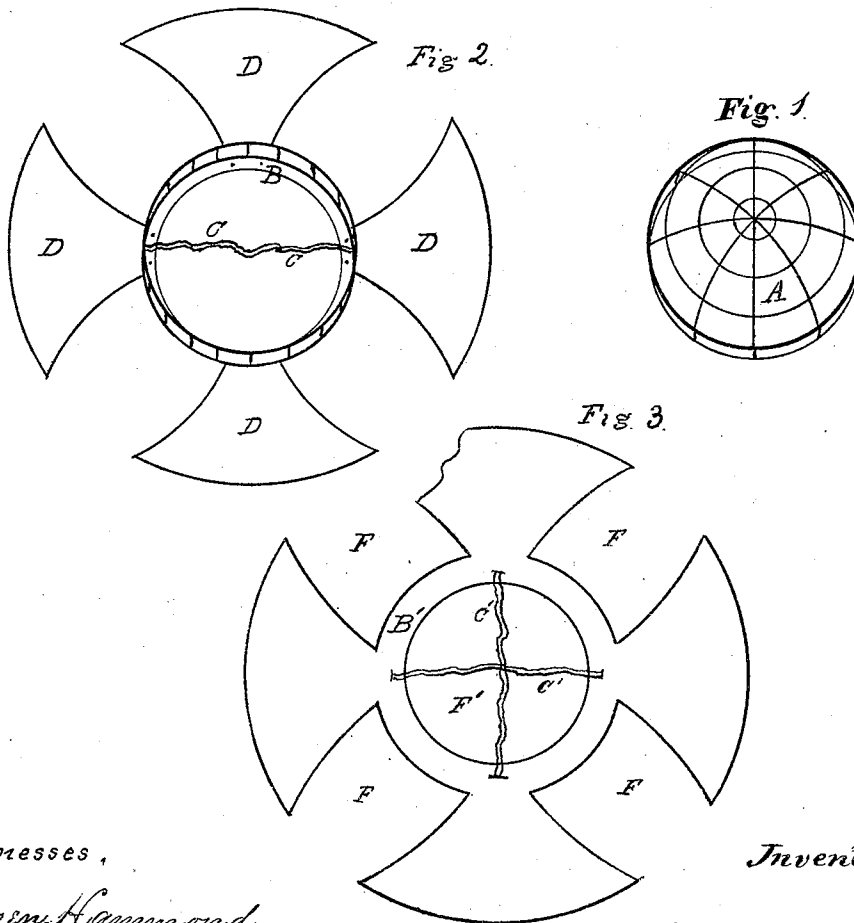


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Improvement in Cover and Guard for Vaccine Virus, &c.

No. 133,124.

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Witnesses,
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UNITED STATES PATENT OFFICE.

NICHOLAS H. SHIPLEY, OF FREDERICK COUNTY, MARYLAND.

IMPROVEMENT IN COVERS AND GUARDS FOR VACCINE VIRUS, &c.

Specification forming part of Letters Patent No. **133,124**, dated November 19, 1872; antedated November 15, 1872.

To all whom it may concern:

Be it known that I, NICHOLAS H. SHIPLEY, of Frederick county, in the State of Maryland, have invented a new and Improved Cover and Guard for the Vaccine Virus and Pustule; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing forming part of this specification.

Recent observation teaches that the degree of protection from vaccination bears a marked proportion to the perfection of that process; and it seems that securing the virus and vesicle from rude contact or other disturbance on insertion and through the course of the disease are important means to that end. It is the object of this invention, therefore, to provide a cheap, simple, and efficient cover and guard for that purpose, as well as to secure a more perfect crust for future use after full development. The device is also adapted to the evidently cognate purpose of covering and securing circumscribed ulcers, abrasions, &c., the healing of which it may be proper to leave to their own intention.

Referring to the drawing, Figure 1 represents a perspective view of the cover and guard. Fig. 2 represents a perspective view of the seat and attachments of the cover. Fig. 3 represents a top view of another form of the seat and attachments of the cover.

The device consists, thus, of a hollow elevated or arched cover, A, Fig. 1, of convenient size and form, constructed of wire-gauze or sheet metal, or any light material capable of the proper resistance. To this cover is adjusted a narrow flanged ring, B, Fig. 2, furnishing its seat, and to which it is secured by the elastic C attached to opposite sides of the ring. To the outer circumference of the ring B are also attached the straps or patches D D D D, of some pliant fabric of the proper consistency, prepared to adhere to the skin. These patches may be made quite narrow where they join the ring to avoid constriction of the diseased part, and expanded at the remote extremity to effect a more perfect attachment.

In a more simple form of the device the flanged ring is dispensed with and the cover

directly and permanently fixed to the adhering cloth. In this form the belt of cloth, Fig. 3, contained between the complete circle of its outer circumference and the circular space F', either before or after cutting away from it the spaces F F F F, constitutes the adhering-cloth, and the cover A is fixed thereto over the space F', to which it has been adapted by means of the cords C' C' or other simple attachment.

The application of the device is now obvious. In its more elaborate form, after the insertion of the virus, the ring B is placed around the puncture, and, by means of its patches attached to the adjacent parts; while the cover A, being placed in its seat, may be removed and replaced at pleasure, by means of the elastic cords C, whenever it may be desirable to view or manipulate the parts, without disturbing its outer bearings. Again, in its more simple form, where the cover is directly and permanently attached to the adhesive cloth, the vesicle or diseased part may be viewed at any time, when the cover is made of gauze, through its interstices. In both cases the cover serves also to entrap and secure the crust at consummation.

Having thus described my invention, what I claim to be new, and for which I desire to procure Letters Patent, is—

1. The cover A, substantially as described, for the purposes set forth.
2. The ring B, in combination with the adhesive patches D D D D and the cover A, substantially as described, for the purposes set forth.
3. The belt or irregular patch of adhesive cloth, Fig. 3, in combination with the cover A, substantially as described, for the purposes set forth.
4. The method of effecting a more perfect protection from vaccination by guarding the virus and vesicle, substantially as described, and securing a more consummate crust for future use, substantially as set forth.

NICH. H. SHIPLEY.

Witnesses:

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