

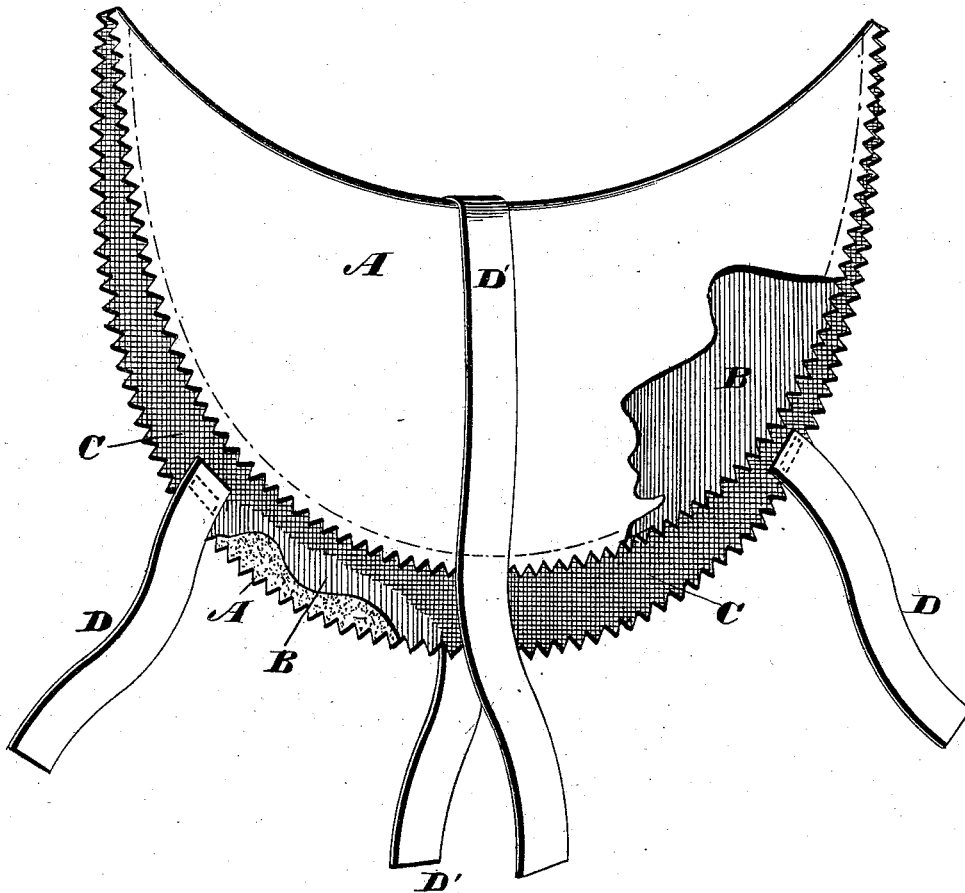
(Model.)

I. B. KLEINERT.

DRESS SHIELD.

No. 264,462.

Patented Sept. 19, 1882.



WITNESSES

*W. Nottingham*  
*George F. Downing.*

INVENTOR

*Isaac B. Kleinert.*  
*By H. A. Symmons.*  
Attorney

# UNITED STATES PATENT OFFICE.

ISAAC B. KLEINERT, OF NEW YORK, N. Y.

## DRESS-SHIELD.

SPECIFICATION forming part of Letters Patent No. 264,462, dated September 19, 1882.

Application filed June 19, 1882. (Model.)

### *To all whom it may concern:*

Be it known that I, ISAAC B. KLEINERT, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Dress Shields; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to dress-shields adapted to prevent the soiling of a dress by perspiration of the arm-pit of the wearer. Dress-shields for this purpose are ordinarily made of two layers of material, the inner layer being of some water-proof material. The latter, in use, is liable to curl up or shrivel and become hardened by the heat of the body, causing the formation of folds or creases in the material. Gutta-percha tissue is the material usually employed for the water-proof layer of the shield, and, as it is affected by heat, the warmth of the body soon causes the formation of hardened folds, which are liable to break the surface of the tissue, and thus allow the perspiration to penetrate to the dress.

I obviate the objection above explained by combining with a shield having a water-proof layer an inner covering or layer of thin netting, which, while not interfering with the comfort of the wearer nor adding to the weight of the shield, effectually prevents the baking or hardening of the gutta-percha tissue by preventing that expansion of the tissue which results from its direct contact with the body of the wearer.

The invention further consists in providing a shield with front and rear tapes, as will be further described.

In the drawing is represented a perspective view of my improvement.

A represents an outer layer of linen or any other suitable material. B is the water-proof layer, preferably of gutta-percha tissue, and provided with an inner covering, C, of thin netting. A further advantage of the employment of the netting C is found in the fact that the cost of manufacturing the shield is lessened and the latter ornamented.

Shields, as ordinarily made, require a binding to secure the parts together and to impart

a finished appearance to the shield. This binding is not only more expensive in itself than the netting employed by me, but it requires skilled operators to apply it to the shield. By my improvement no binding is necessary, since the netting forms a secure covering for the gutta-percha tissue, and any ordinary operator can sew the parts together near their outer edge, after which the latter is scalloped or cut out by a machine to impart a finished and ornamental appearance to the shield.

D D represent a front and a rear tape attached to the shield while the parts are being sewed together. By the use of these tapes, in connection with a central tape, D', heretofore used, all puncturing of the dress or shield by the stitches is avoided. The tapes D D are fastened to the front and back seams of the dress, and are thus more securely held than if simply sewed to the dress by light stitches.

The improvement thus described is free from the objections incident to shields as ordinarily made, and is at the same time simple and economical in manufacture.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a dress-shield, the combination, with two flaps of gutta-percha or other water-proof material, of sections of netting or open-work fabric attached to the inner faces of said flaps, substantially as set forth.

2. A dress-shield consisting of an outer layer of linen or equivalent material and an inner layer of water-proof material, the latter having a covering of thin netting, said layers and netting being sewed together near their edges and afterward scalloped or pinked, substantially as set forth.

3. The combination, with a dress-shield, of tapes attached to the front and rear edges of the shield and adapted to be arranged parallel with the front and back seams of a dress and sewed thereto, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ISAAC B. KLEINERT.

Witnesses:

JAMES E. BUSBY,  
JAMES PRICE.