

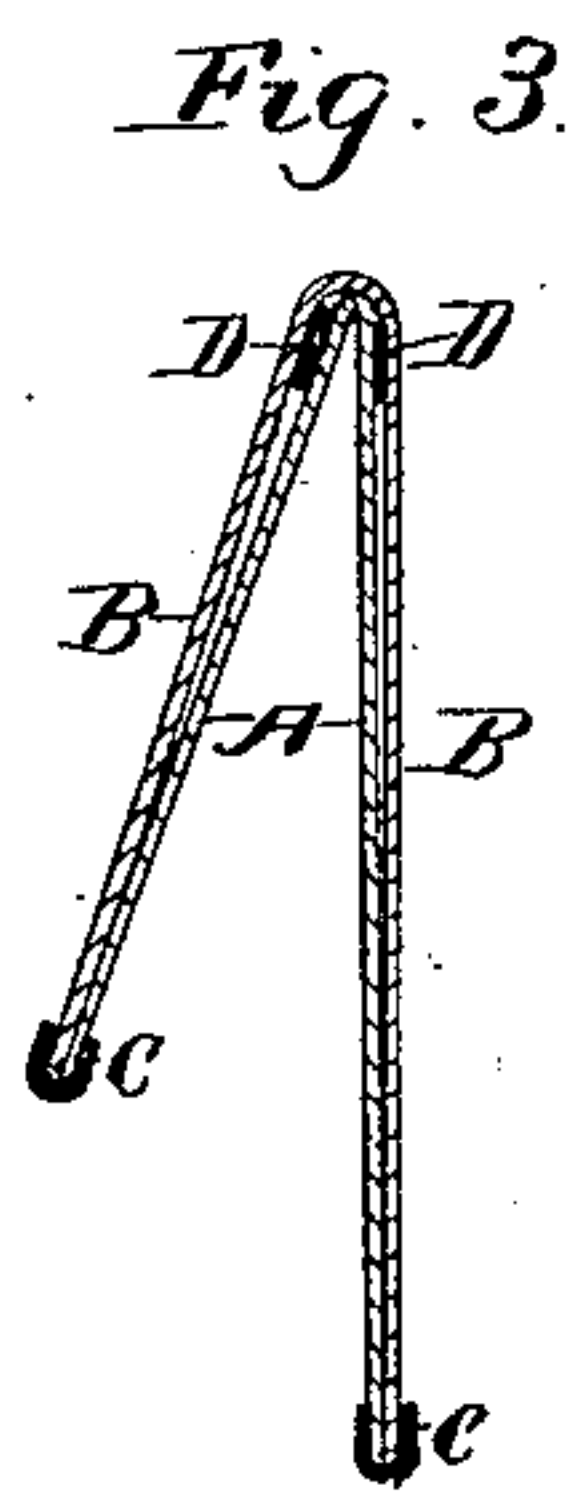
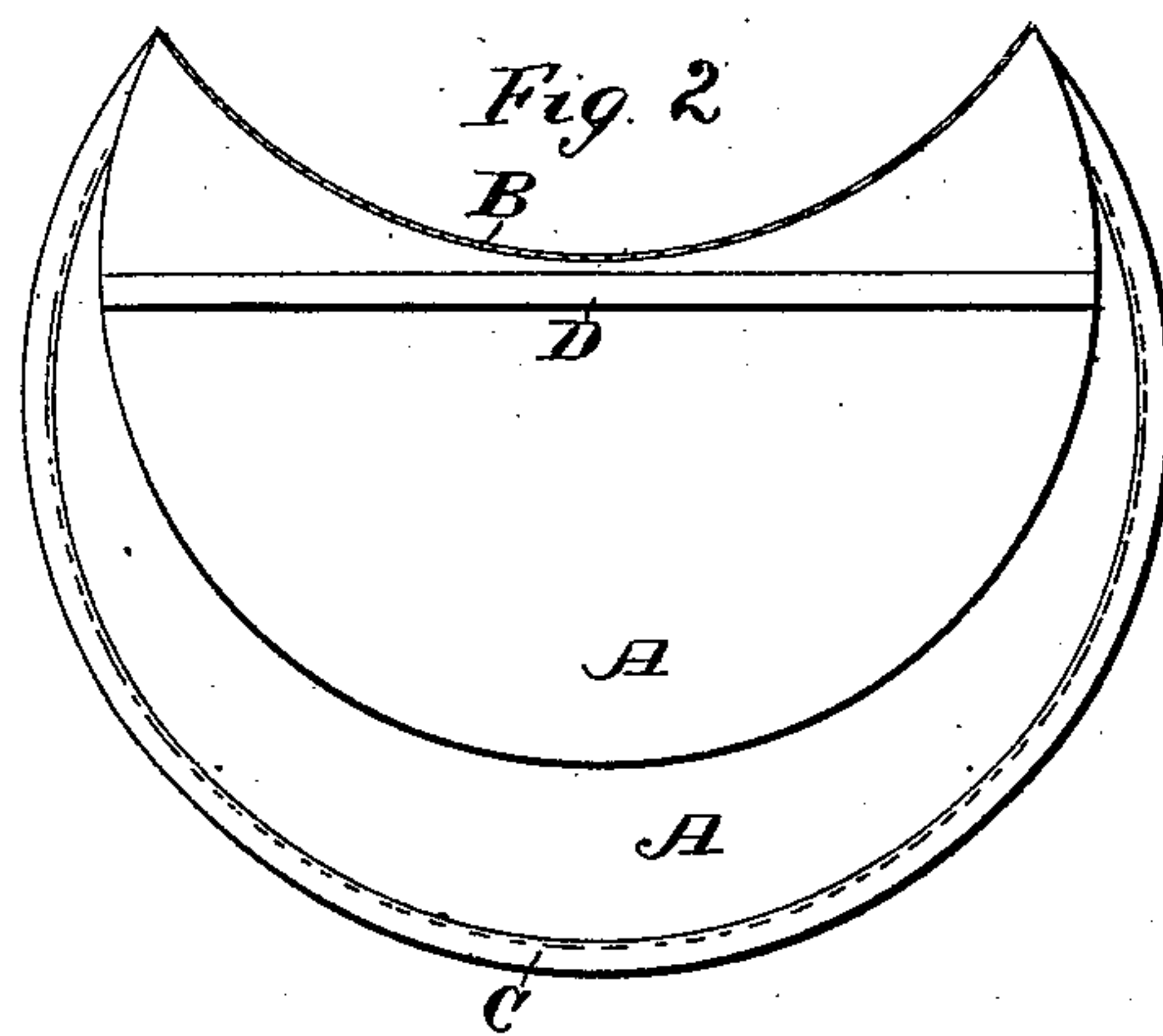
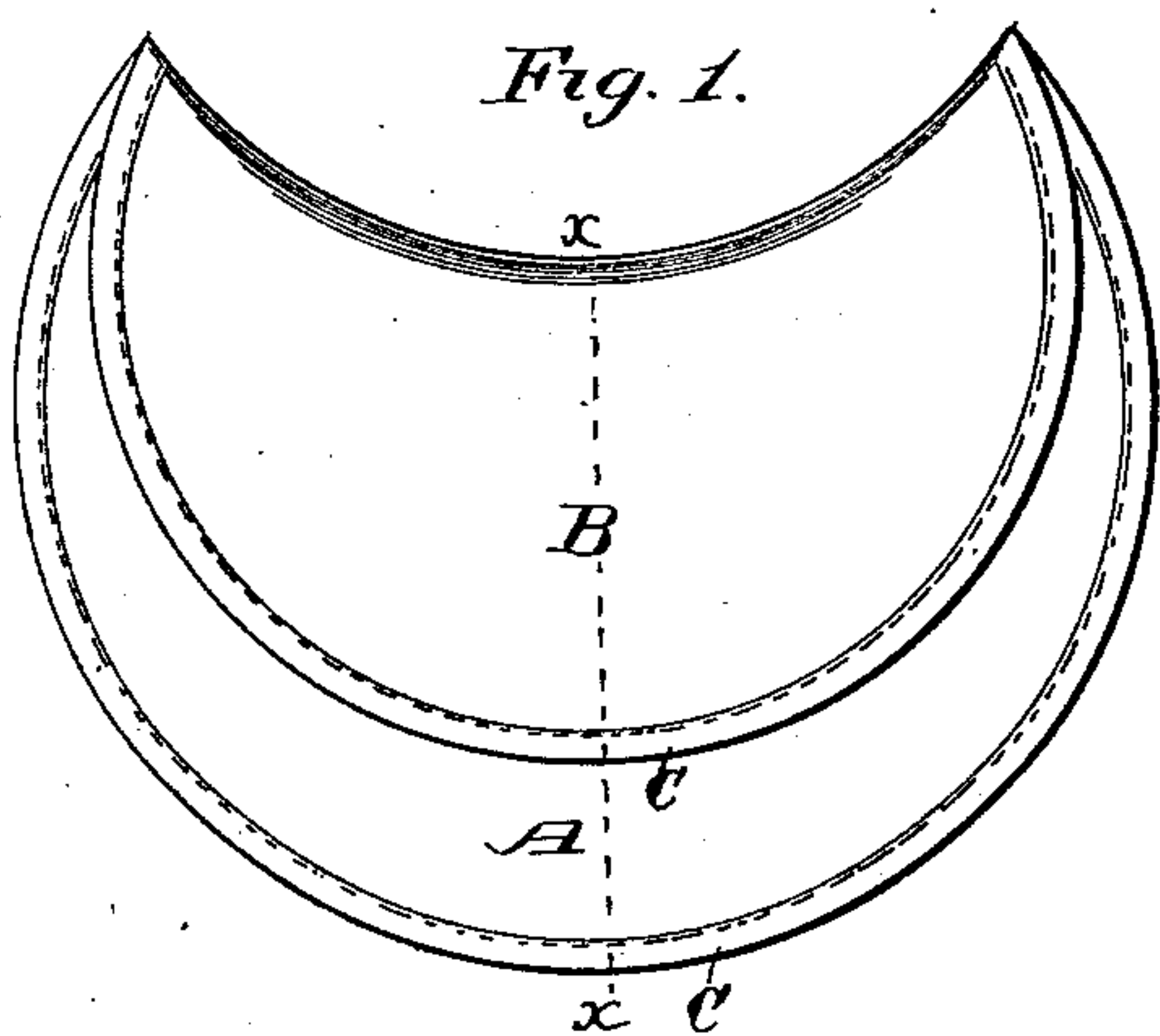
(No Model.)

J. JANOWITZ.

DRESS SHIELD.

No. 335,225.

Patented Feb. 2, 1886.



WITNESSES
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JULIUS JANOWITZ, OF NEW YORK, N. Y., ASSIGNOR TO ISAAC B. KLEINERT,
OF SAME PLACE.

DRESS-SHIELD.

SPECIFICATION forming part of Letters Patent No. 335,225, dated February 2, 1886.

Application filed June 23, 1885. Serial No. 169,519. (No model.)

To all whom it may concern:

Be it known that I, JULIUS JANOWITZ, a citizen of the United States of America, residing at New York, in the county of New York and State
5 of New York, have invented certain new and useful Improvements in Dress Shields, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

10 Figure 1 represents a side view of a dress-shield constructed according to my improvement; Fig. 2, a similar view with the covering removed from one side; Fig. 3, a vertical section through *x x*, Fig. 1.

15 My invention relates more particularly to shields of that class that are made seamless under the arms; and the invention consists in the peculiar combinations and the construction and arrangement of parts hereinafter described and claimed.

20 The object of this invention is to produce a shield which has, first, no seam in the curve to annoy and chafe the wearer; second, which has a secure curve—*i. e.*, a curve which will not
25 straighten out on being stretched or handled; third, a stockinet shield, which will present a surface as clear as the material used is capable of attaining, and yet be a vulcanized shield; and, fourth, which will better absorb the perspiration, and will dry quicker when exposed
30 to the air than those in present use.

Dress-shields heretofore have generally been made out of two or more parts cut in crescent form, and sewed or cemented together at the
35 curve. Such shields have proved objectionable, on account of the unavoidable harshness of the seam in the armpit, where the body is naturally sensitive. Shields have also been made stretched out of one piece of material, which
40 is afterward vulcanized, and then made slightly by trimming off and scalloping the edges. Such shields are objectionable, for the reasons, first, that they straighten out at the curve, from the natural tendency of the stretched material to get back to its original position. Such
45 a straightened curve is a source of much annoyance to the wearer, from the fact that the curve of the armhole is then of much shorter radius than the curve of the shield becomes in use, thereby leaving a bulk of superfluous material, which intervenes between the seam of the

armhole and the armpit, and is bound to cause annoyance to the wearer, and also interfere with the proper fitting of the dress under the arm, which fitting is of vital importance
55 to a well-made garment, as well as to comfort. Secondly. The process of vulcanization, if sufficiently done, darkens the surface or cotton material. Besides this, the rubber with which it is coated also darkens in the process, the effect of which is, that it shows black through the meshes, which is in itself unsightly, and the darkened cotton covering still more
60 adds to its discoloration and presents a dirty appearance.

65 My invention obviates all these defects by making the shield of two distinct parts, each of which is made separately and seamless, and the under one provided with a separate stay to keep it from changing its shape when
70 stretched or handled.

In making my shield I use two thicknesses of material, one of which, A, is covered with rubber or other water-proof material, and the other, B, is preferably of stockinet or knitted
75 cloth. These pieces are shaped exactly alike, and both without seam, and I press or draw them into shape in any convenient known manner. After vulcanizing the rubber-coated material, I saddle them one over the other and
80 secure their edges in any convenient manner, preferably by binding, as shown at C. To prevent the curve from getting out of shape, I cement, preferably, on each flap of the inner or vulcanized material a stay, D, of tape or
85 other suitable substance, which effectually prevents the flattening of the curve, which is liable to occur when the shield is much handled or used.

It will be seen that by my construction a
90 shield is formed that will always retain its shape, will be cleanly in appearance, can be quickly dried, will not chafe, will feel soft and pleasant to the wearer, and, as its curve is permanent, will not impair the fit of the dress
95 under the arm, and thus will not only save the discoloration of the dress by perspiration, but will at the same time add to the comfort of the wearer by insuring a neat fit of her dress under the arm.

100 I am aware that it is not new to make a shield of water-proof material covered with a

non-adherent material, and therefore make no claim to this, as my invention consists in a shield having a seamless layer of water-proof material provided with a separate stay to keep
5 it in shape, and a second seamless layer of absorbent material lying loosely on the water-proof layer.

What I claim as new is—

1. A dress-shield provided with a seamless
10 piece of waterproofed fabric, A, having a curved fold, a seamless layer of pervious material, also having a curved fold, and a separate stay interposed between the two seamless sections, to prevent change of curve, substantially
15 as described.

2. The dress-shield herein described, con-

sisting of a seamless piece of rubber-coated fabric, A, having a curved fold, and provided with a separate straight stay, D, to prevent the loss of curve, and a seamless piece of fabric, B, also having a curved fold, free from the body of said rubber-coated fabric, and united to the edges thereof by binding, substantially as described. 20

In testimony whereof I affix my signature, 25
in presence of two witnesses, this 22d day of June, 1885.

JULIUS JANOWITZ.

Witnesses:

T. J. W. ROBERTSON,
M. P. CALLAN.