

946,766.

N. C. NEVIN.
DRESS SHIELD.
APPLICATION FILED MAY 5, 1909.

Patented Jan. 18, 1910.

FIG. 1

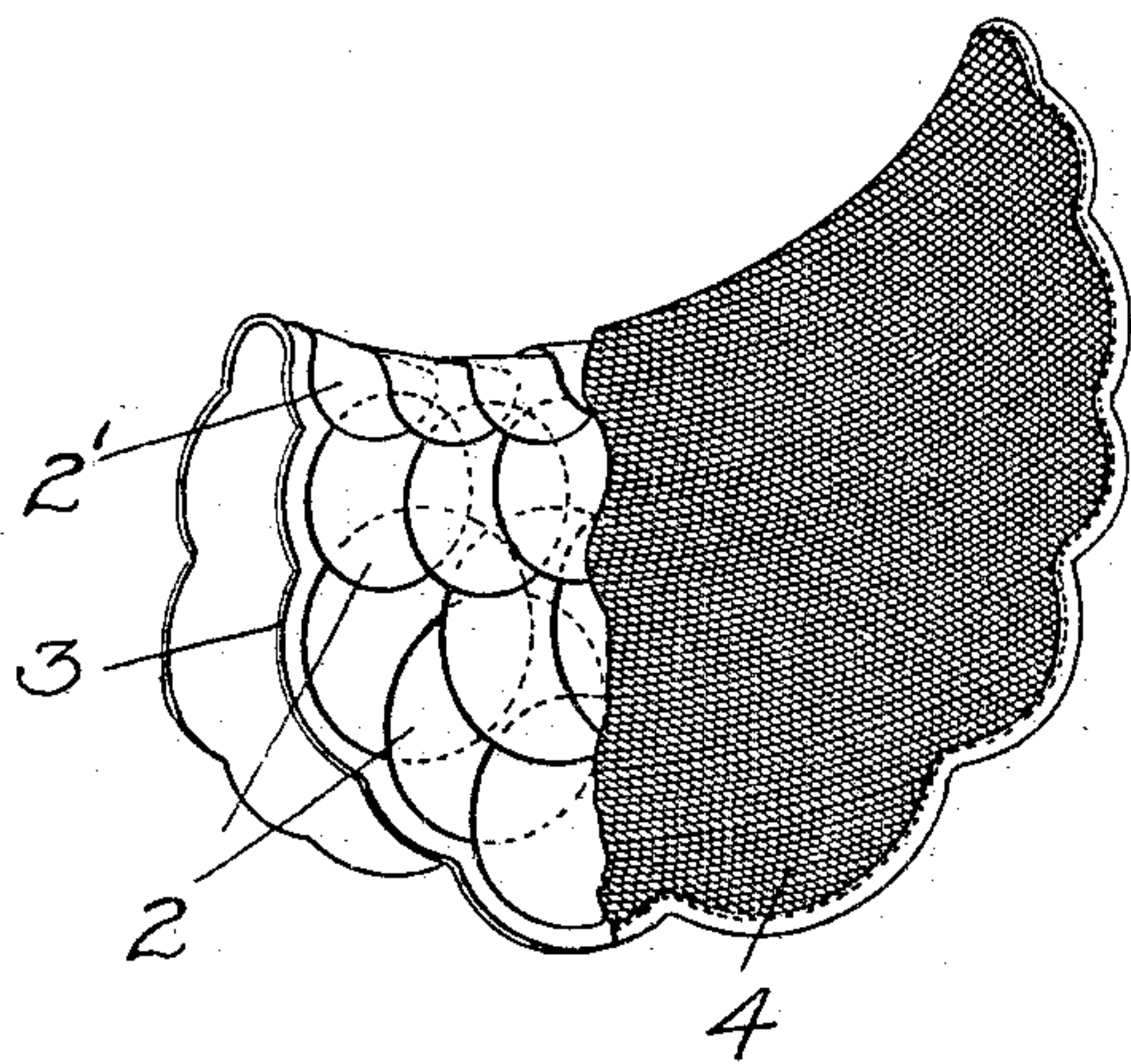


FIG. 2

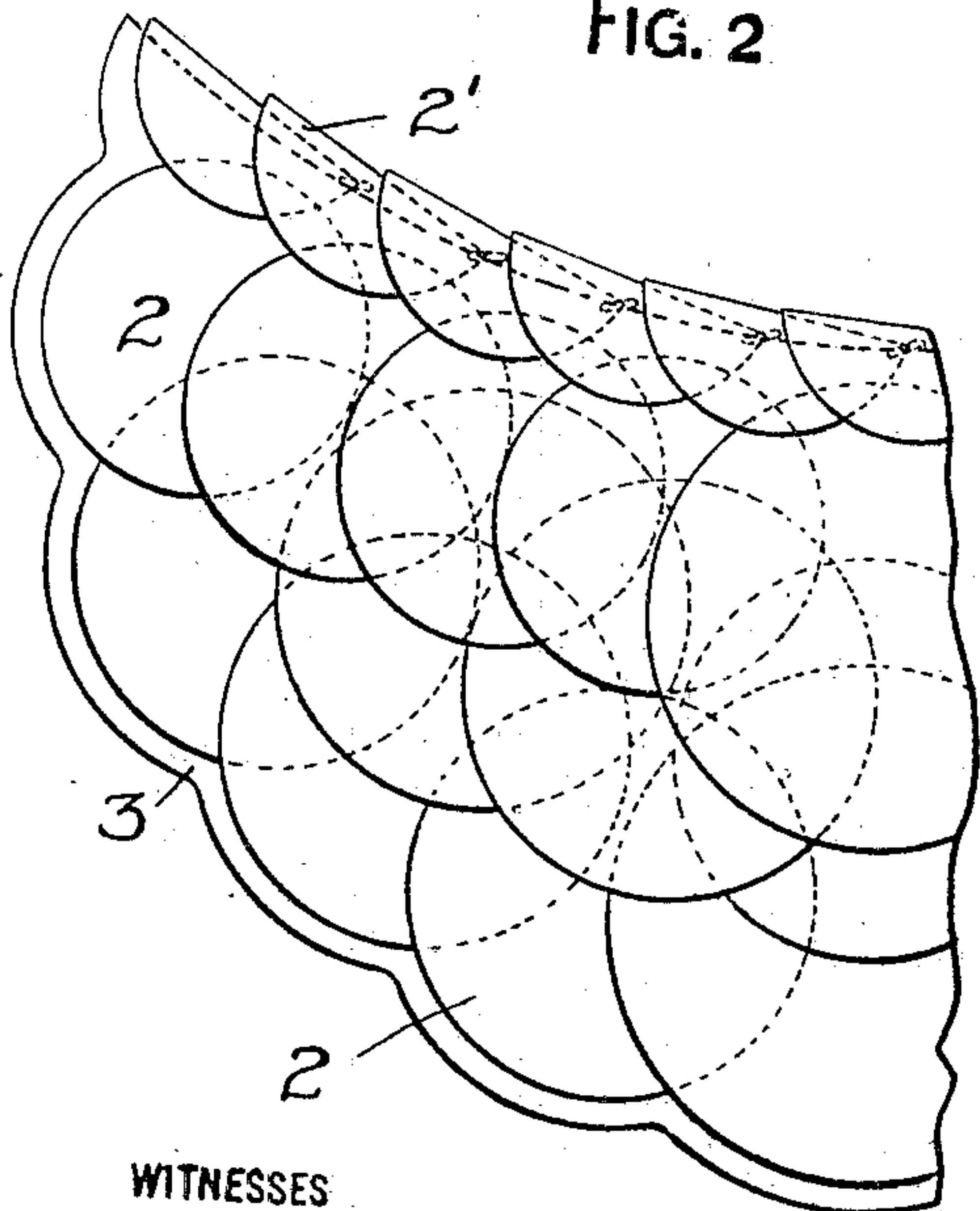
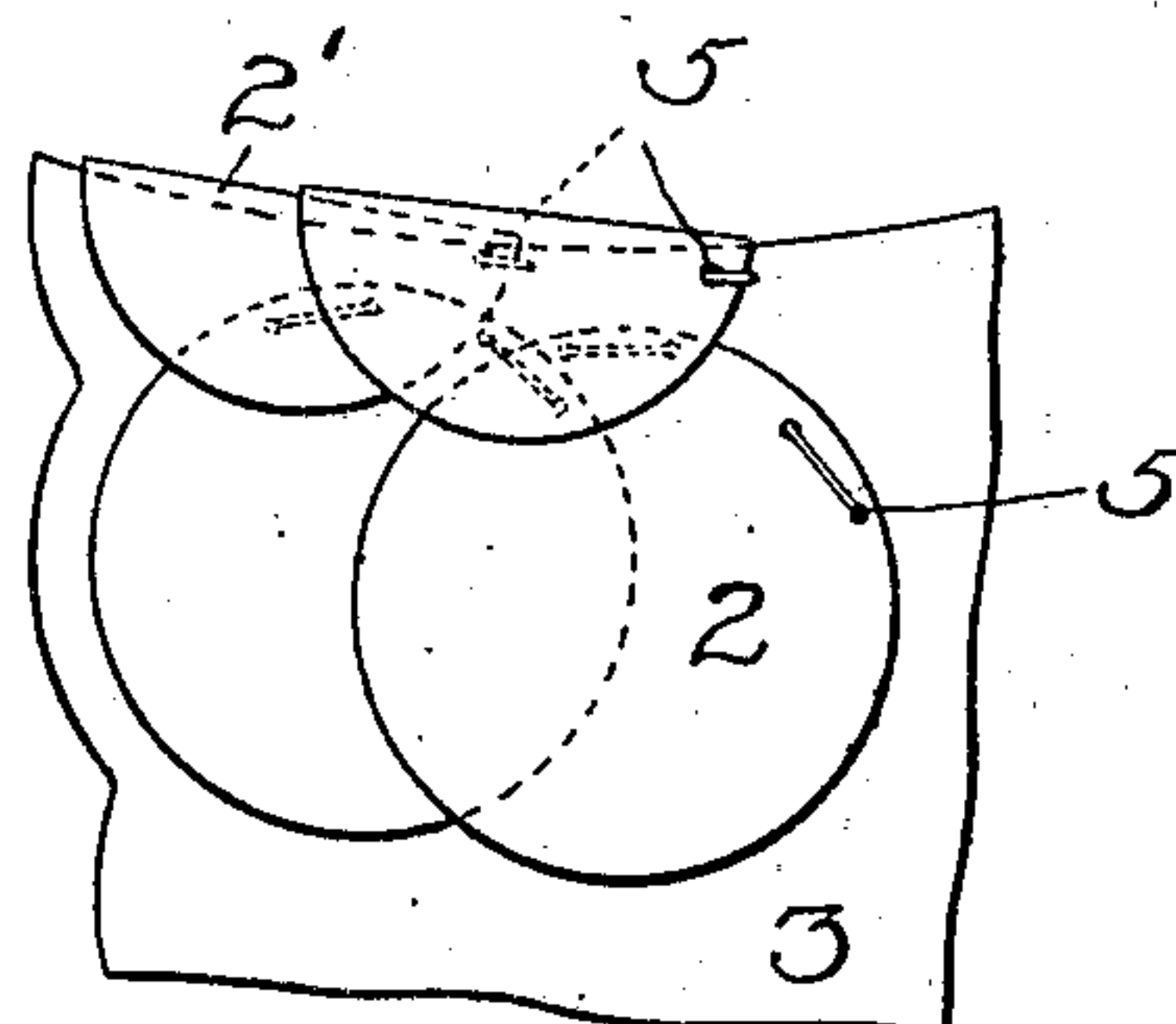


FIG. 3



WITNESSES

H. J. Mercer
W. Arthur Keen

INVENTOR

Nina Carrington Nevin
by James H. Bakewell
her attorney

UNITED STATES PATENT OFFICE.

NINA CARNAGHAN NEVIN, OF SEWICKLEY, PENNSYLVANIA.

DRESS-SHIELD.

946,766.

Specification of Letters Patent.

Patented Jan. 18, 1910.

Application filed May 5, 1909. Serial No. 494,162.

To all whom it may concern:

Be it known that I, NINA CARNAGHAN NEVIN, of Sewickley, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Dress-Shields, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming part of this specification, in which—

Figure 1 is a perspective view, partially broken away, illustrating my invention; Fig. 2 is a side elevation partially broken away, and Fig. 3 is a fragmentary view illustrating the manner in which the scales may be secured to the cloth.

Like symbols of reference indicate like parts wherever they occur.

My invention relates to an improvement in dress shields and it is especially applicable to shields which are placed in the arm pits of garments.

Heretofore dress shields have usually been composed largely of rubber or other like material impervious to moisture, the rubber or other material being in the form of a sheet inclosed in linen or other cloth. The chief objections to such shields have been that, being impervious, they retain the heat of the body and promote perspiration; they soon become odorous; they soon rot and are easily torn; and they do not effectually protect the garment owing largely to the increase of perspiration due to their use.

The object of my invention is to provide a light, cool dress shield which shall be free from these objectionable features; and it consists broadly in a series of scales attached to a suitable backing to allow of the necessary ventilation and at the same time effectually protect the garment with which it is used.

I will now describe my invention so that others skilled in the art may manufacture and use the same.

Referring to the accompanying drawing, 2 represents thin scales which are preferably composed of thin disks of celluloid, although I do not desire to limit myself to the use of this substance, as other substances may be substituted therefor. These scales are preferably secured to a backing 3 of linen or other cloth or material, preferably as shown

in the drawing by thread or other material passing through needle holes 5 at one or more points in the scale at or near the edge thereof which allows the scales to hang loosely, overlapping each other. The several rows of scales are preferably so arranged that there shall be a break in the arrangement of joints between the several rows. This arrangement permits of free ventilation, which not only allows the heat of the body to escape but also causes evaporation of the perspiration from the hard, smooth impervious surfaces of the scales. I do not desire, however, to limit myself to this method of attachment.

When the shield is to be employed as an arm-pit shield the backing or cloth 3 is folded at its middle and the scales 2' which cover this fold are in the form of an inverted U. After the scales have been secured to the body of the shield they may be covered by the mesh 4 or other light material which is secured to the body of the shield by sewing or by other suitable means. Where the fold occurs in the shield the scales are preferably small and increase in size toward the outer portions. I do not, however, desire to limit myself to this arrangement nor to any particular size. I prefer to employ a flexible material for the scales 2 which allows the shield to readily yield with the movement of the body.

Among the advantages of the use of celluloid, is that this substance is resilient, flexible, smooth, light, and impervious to moisture. These substances may be colored any color to match the color of the garment with which the shield is to be worn. They also may be rendered soft by heating in hot water, bent or molded to the desired shape, and then allowed to cool and remain in the shape to which they have been bent. The scales may be of any desired shape.

By the use of the term "celluloid" I desire to include all celluloid like substances, as, for instance, celluloid in which urea or naphthalene is used as a substitute for camphor or in addition thereto.

My improved shield is much lighter and cooler than other shields, it is more efficient in protecting garments than the shields now in common use and it can be worn without discomfort to the wearer.

Having thus described my invention, what I claim and desire to secure by Letters Patents is:

1. A dress shield having a series of scales arranged in juxtaposition with each other.
2. A dress shield having a series of scales and a suitable backing.
3. A dress shield having a series of scales and a suitable backing and having a covering of light material.
4. A dress shield having a series of overlapping scales and a suitable backing.
5. A dress shield having a series of scales of graduated sizes and a suitable backing.
6. A dress shield having a series of scales

and a suitable backing, the scales being suspended therefrom.

7. A dress shield composed of a series of resilient flexible scales.

8. A dress shield composed of a series of overlapping scales having hard smooth surfaces.

9. A dress shield having a series of scales made of celluloid.

In testimony whereof, I have hereunto set my hand.

NINA CARNAGHAN NEVIN.

Witnesses:

M. W. KURNIKER,
H. FRED MERCER.