

(No Model.)

2 Sheets—Sheet 1.

S. A. FISHEL.

SHIRT.

No. 308,244.

Patented Nov. 18, 1884.

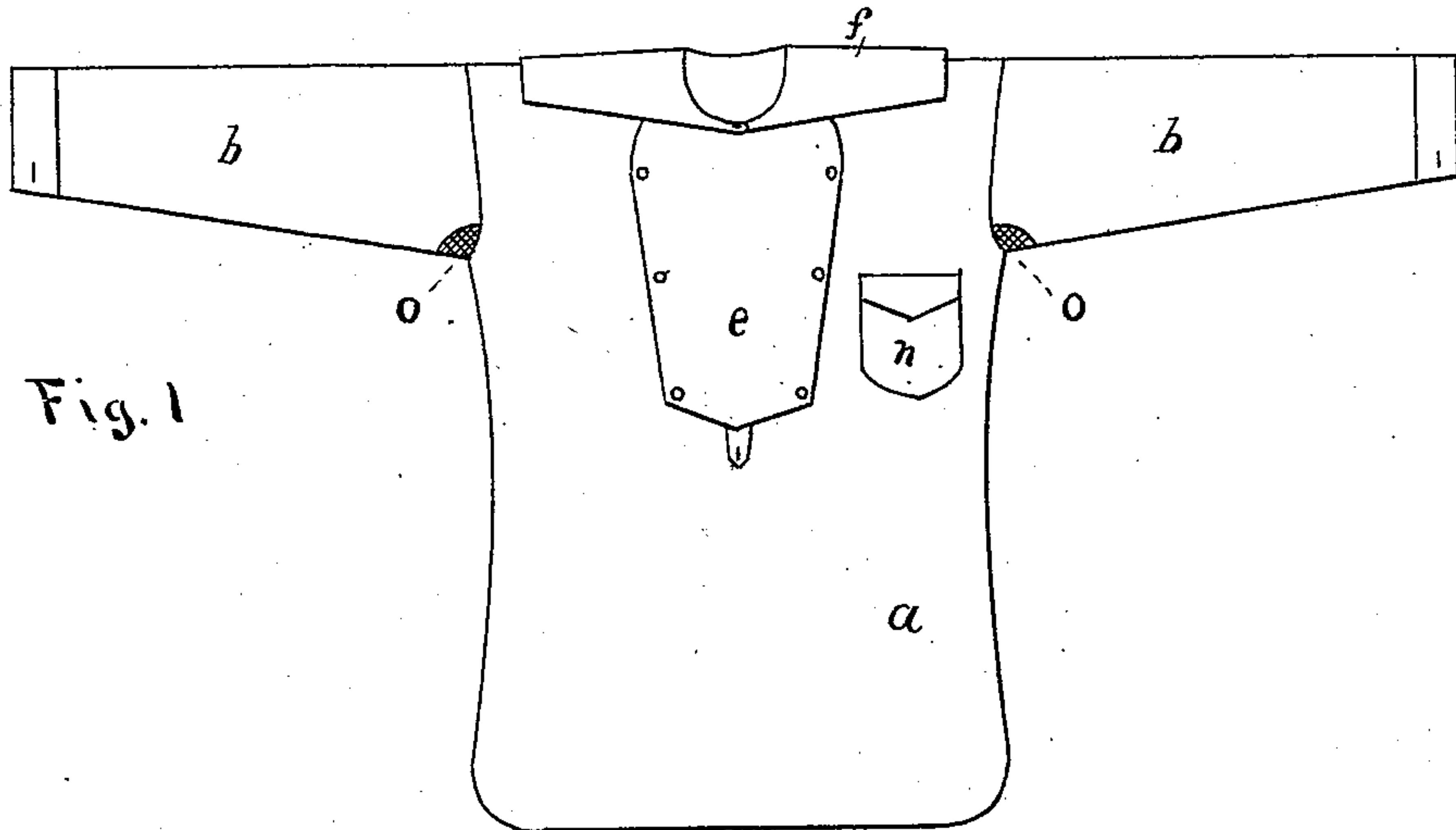


Fig. 1

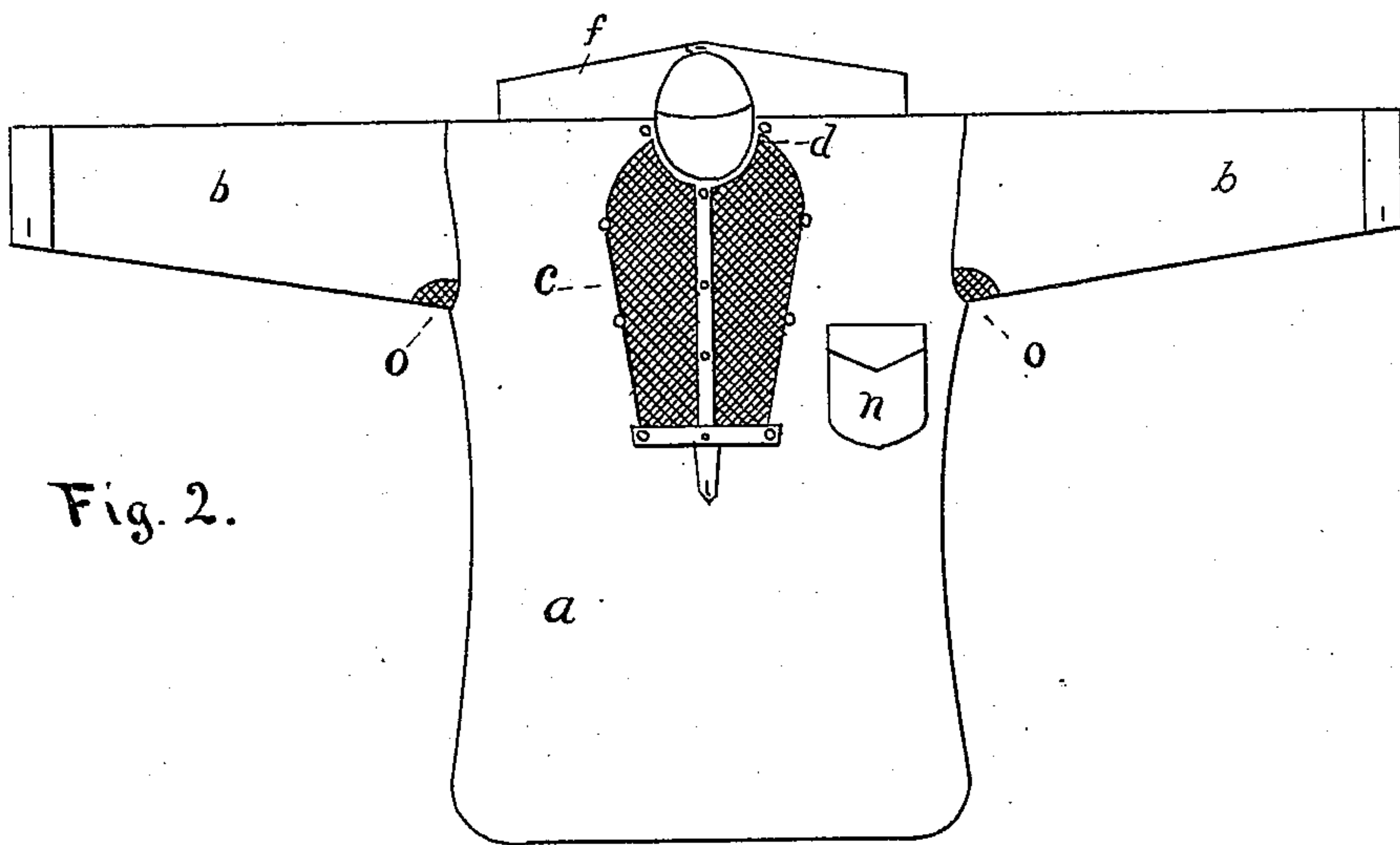


Fig. 2.

WITNESSES

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INVENTOR

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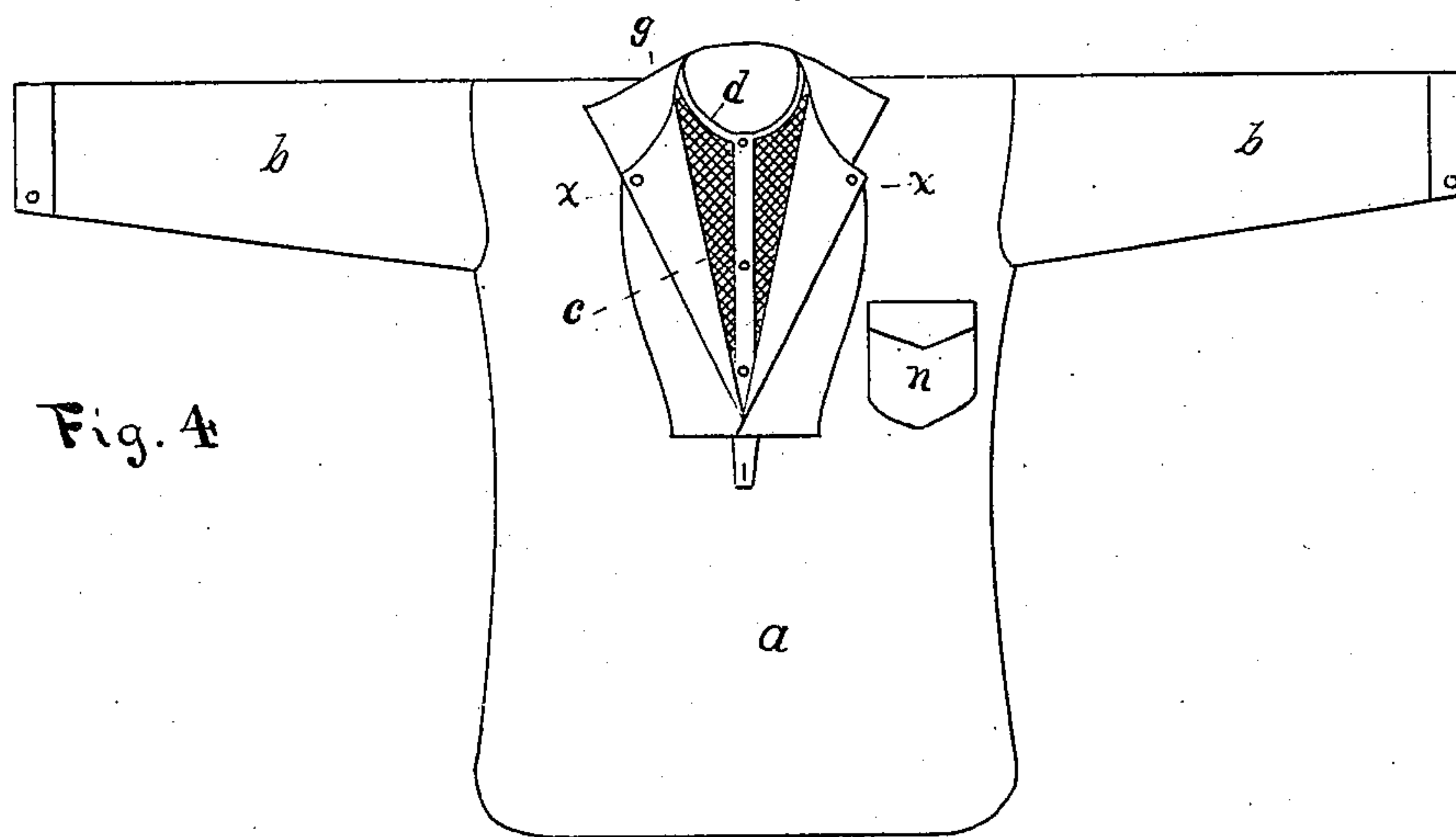
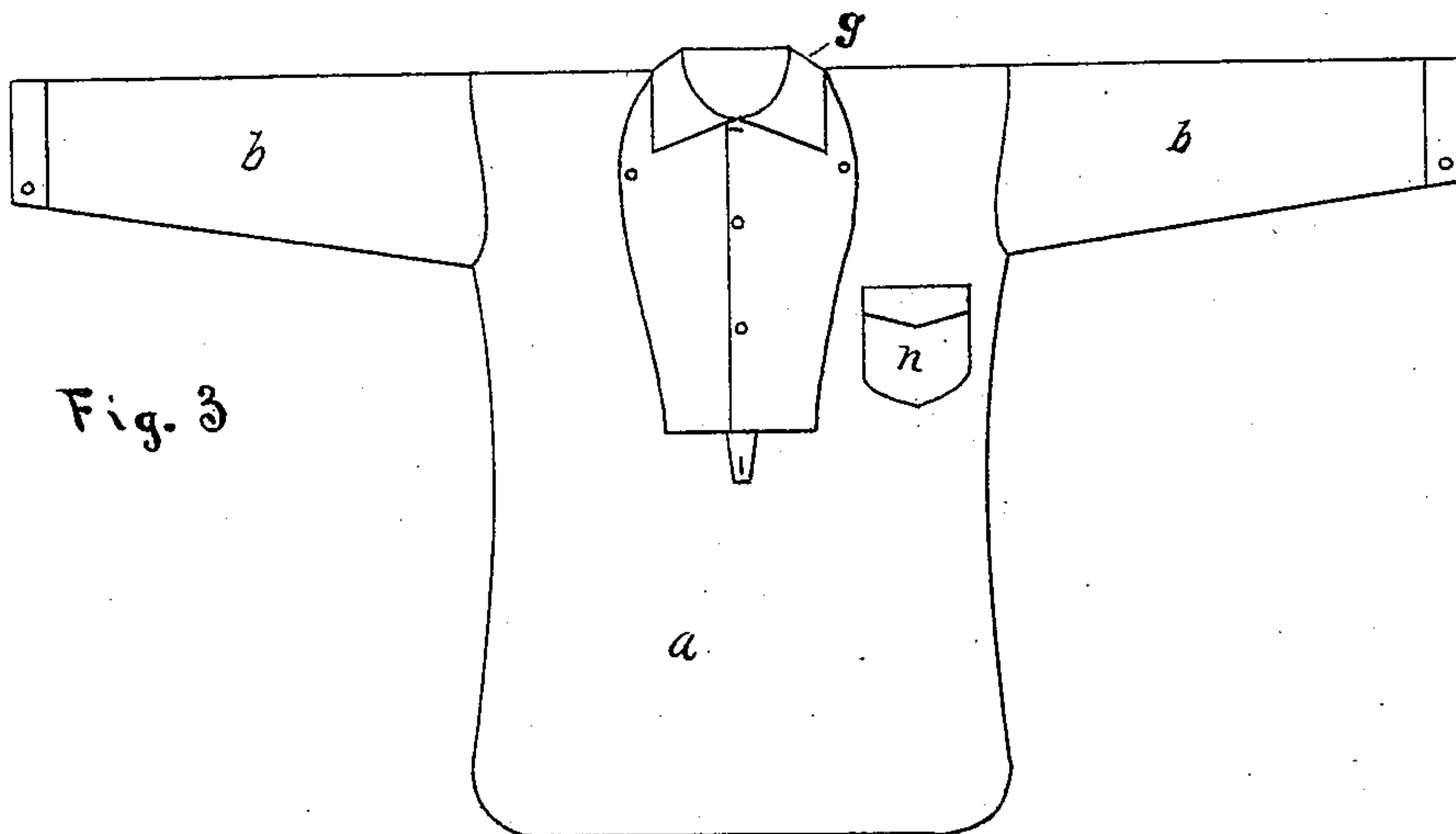
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Fredrick B. Dale
Patrick H. Gunkel

INVENTOR

Sampson A. Fishel

UNITED STATES PATENT OFFICE.

SAMPSON A. FISHEL, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-HALF TO FREDERICK B. DALE, OF SAME PLACE.

SHIRT.

SPECIFICATION forming part of Letters Patent No. 308,244, dated November 18, 1884.

Application filed March 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, SAMPSON A. FISHEL, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented a new and useful Improvement in Shirts; and I do hereby declare that the following is a full, clear, and exact description of the invention, reference being had to the accompanying drawings, and to the letters of reference thereon.

The object of the invention is to provide a shirt better adapted than those of the common styles for use in both warm and cold weather, and this object is attained by means of the detachable and adjustable parts and the open-work fronts, as hereinafter described.

The drawings illustrate two forms of adapting the improvements to use.

Figures 1 and 2 show the invention as applied to shirts commonly known to the trade as "double-breasted," and Figs. 3 and 4 the form known as "single-breasted." Both forms, however, are strictly single-breasted, as both are made to button only at the center, and the double-breasted appearance is given them by the overlapping shield.

The material used may be woolen, cotton, or silk; but it is desirable that the material be somewhat heavy, as the shirts are designed chiefly for use by workmen and others engaged in open-air avocations.

In the drawings, *a* represents the shirt-body, and *b* the sleeves. The front, instead of being made of the same material as the body or of other close-woven material, is made of a netting, *c*, or of other light knitted or woven open-work, such as will freely admit the air. The shape of this open-work front may be of any desired pattern. It is sewed at its edges to the shirt-body, and at its top to the neckband *d*, and should be made to extend well around the sides of the band, as shown. The neckband is open in front, and the open-work front is open down its center, both being provided with means for buttoning or lacing. The front should be re-enforced with a strip of heavier fabric down the center to give it proper strength.

In the style of shirt shown in Figs. 1 and

2, there are used the detachable shield *e* and adjustable collar *f*. The shield may be of any suitable form to correspond with the outline of the open-work front, and is fastened by buttons at its edges, giving the appearance of a double-breasted shirt. The collar *f* is sewed fast to the neckband only at the back and part way round the sides, with the ends arranged to button in front to a stud or button, so that the ends, when desired, may be turned back of the neck and left free or secured to a stud or button at the back of the neckband. By means of these arrangements the wearer of the shirt may, when he so desires, remove the shield from the front, and turning the collar back, as indicated, freely ventilate his chest and throat.

In the other form of shirt (shown in Figs. 3 and 4) the open-work front *e*, which may be of any suitable pattern, is sewed at its edges under the shield or outer shirt front, and at the top to the neckband, as in the other form of shirt. This outer front or shield may be of separate material, sewed in at its edges along with the netting, or it may be a part of the material of the body having the open-work sewed under it. It may be made to have the appearance of a shield-front, opening in the middle, as shown in Fig. 3, or an entirely plain front, or of any suitable pattern desired. The collar *g* is secured at the back to the neckband similarly to collar *f*, in Figs. 1 and 2; but at the sides and front it is sewed to the shirt body and front, as in the ordinary single-breasted shirt having a fixed turn-down collar. The collar then is buttoned at the front to the neckband along with the shirt front or body. When ventilation is desired, the collar and front are unbuttoned and turned back and may be fastened by buttoning the neckband button-hole over a button suitably provided near the shoulder, thus giving the lappeled appearance shown at *x x* in Fig. 4.

Another feature of the invention is the open-work *o*, let in an opening at the junction of the sleeves with the body at the under side, as shown in Figs. 1 and 2. The object of this open-work so set in is to afford ventilation and give elasticity to the shirt at that point, thus

allowing greater freedom of movement to the arm than in shirts not thus constructed. This open-work may be of any suitable knitted or woven material.

- 5 Pockets *n* may be provided on either or both sides of the front, if desired.

I am aware that prior to my invention skin under-garments having apertures along the seams, which were covered by material more
10 porous than the skin, have been known, and I therefore do not claim such construction; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. The combination, in a shirt, of body *a*, with open-work front *c*, detachable shield or bosom *e*, and collar *f*, substantially as described. 15

2. In combination, with a shirt made to open down its front, the separate inside open-work front or bosom *c*, when arranged substantially as described. 20

SAMPSON A. FISHEL.

In presence of—

PATRICK H. GUNCKEL,
CARL E. VAN CLEVE.