(No Model.)

W. H. PURCELL.

CHEST PROTECTOR.

No. 288,857. Patented Nov. 20, 1883.

Fig. 1.

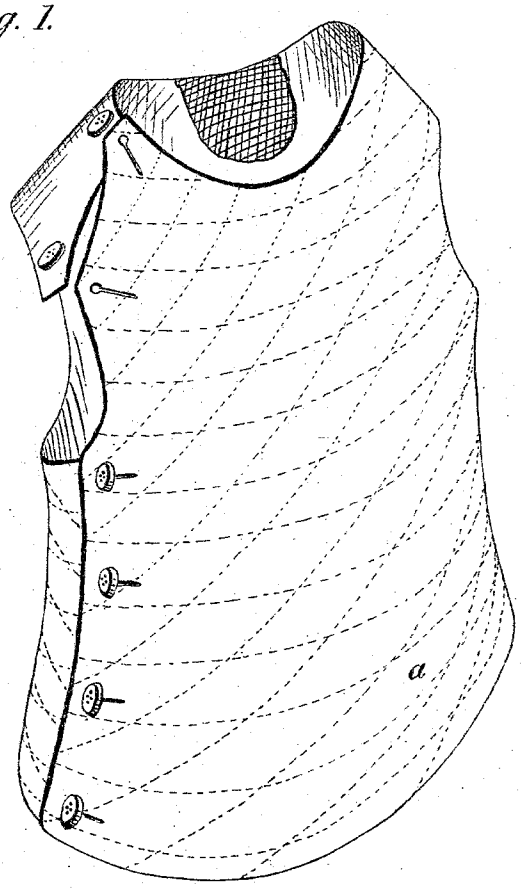
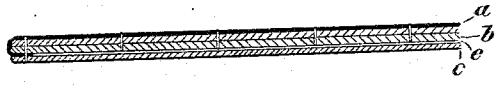


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. PURCELL, OF ELIZABETH CITY, NORTH CAROLINA.

CHEST-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 288,857, dated November 20, 1883.

Application filed February 16, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. PURCELL, of Elizabeth City, in the county of Pasquotank and State of North Carolina, have invented a new and Improved Chest-Protector, of which the following is a full, clear, and exact description.

The object of the invention is to form a chest-protector, so that the cold air in penetrating its several layers shall have to pass through an air-space and become moderated in temperature, thus preventing the possibility of a person's being chilled by a current of air.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a broken perspective view of my new and improved chest-protector; and Fig. 2 is a sectional view, showing the air-space in the garment.

The chest-protector or vest is by preference made of the outer thickness, *a*, intermediate thickness, *b*, these two being quilted together, and the inner thickness, *c*, which is stitched at its edges to the thicknesses *a b*, but left free at all other points, leaving the dead-air space *e* between the inner and intermediate thicknesses. The intermediate thickness might be omitted, if desired, in which case the outer thickness will be of some heavy material. When made with the intermediate thickness, I prefer to use sateen for the outer thickness, *a*, woolen wadding covered with the wadding-gauze *i* for the intermediate thickness, *b*, and medicated woolen felt for the inner thickness, *c*.

The protector is, by preference, made armless, is shaped to fit the body snugly, and is made with button-holes, and is provided with buttons, as shown, for convenience in putting the garment on and off, and so that the garment will always set to the body and exclude all currents of air from between the inner thickness and the body. The dead air maintained around the body in the space *e* is a great safeguard against cold, since it serves to absorb the moisture of the body, prevents rapid radiation of heat from the body, and prevents cold air from penetrating the garment and coming into direct contact with the skin.

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

A chest-protector formed of the flexible fabric *a*, the woolen layer *b*, quilted thereto, and a felt layer, *c*, the latter secured at its edges to the layers *a b*, and thus forming an air-space, *e*, as shown and described.

WILLIAM H. PURCELL.

Witnesses:
G. M. SCOTT,
MAURICE WESCOTT.