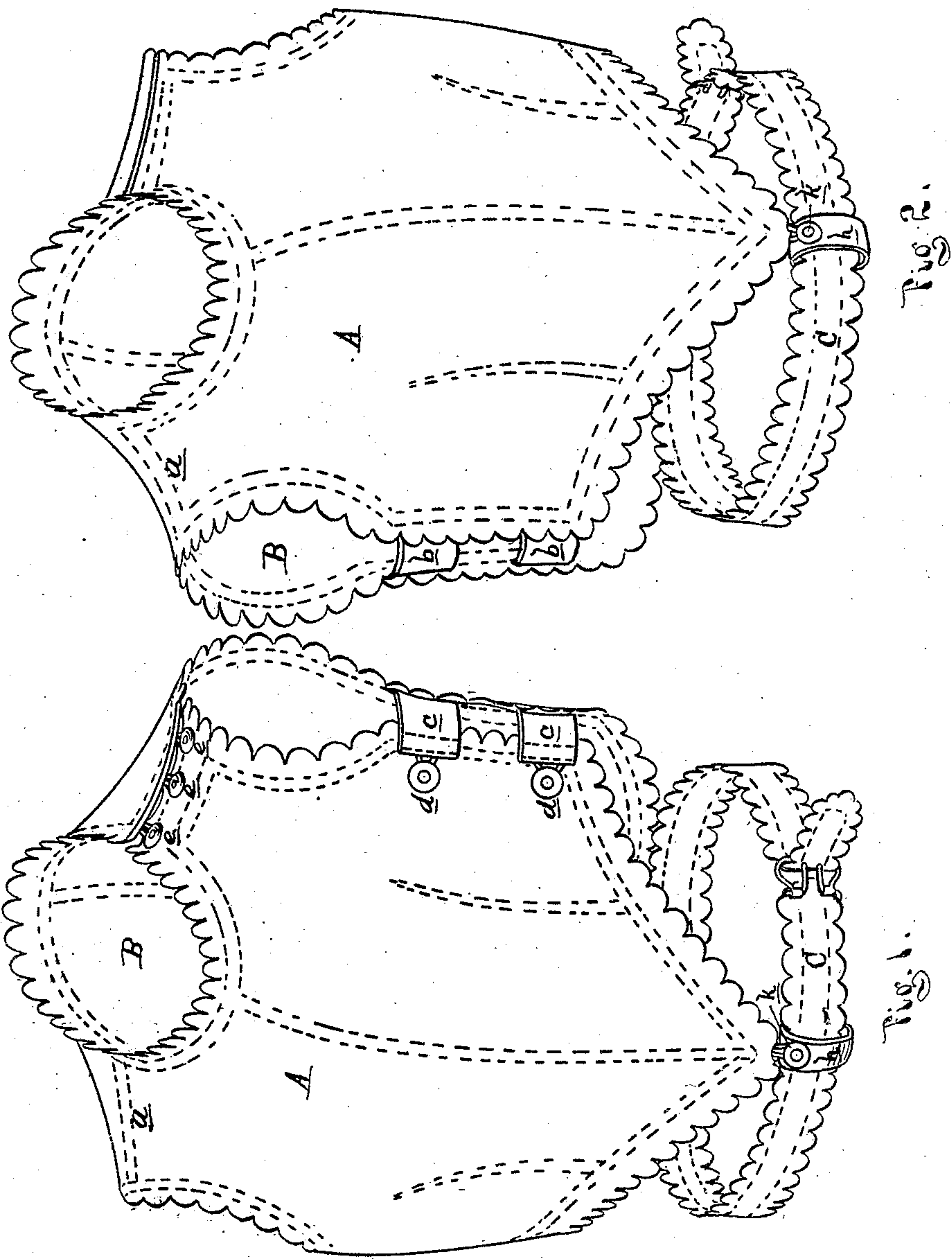


JANE CULVER.

Combina Lung-Protectors and Under-Vests.

No. 146,879.

Patented Jan. 27, 1874.



ATTEST:
G. E. Blunt
E. W. Young

INVENTOR:
Jane Culver
per Attorney
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UNITED STATES PATENT OFFICE.

JANE CULVER, OF ADRIAN, MICHIGAN.

IMPROVEMENT IN COMBINED LUNG-PROTECTORS AND UNDERVESTS.

Specification forming part of Letters Patent No. **146,879**, dated January 27, 1874; application filed December 1, 1873.

To all whom it may concern:

Be it known that I, Mrs. JANE CULVER, of Adrian, in the county of Lenawee and State of Michigan, have invented an Improvement in Lung-Protectors, of which the following is a specification:

The nature of this invention relates to certain new and useful improvements in the article worn by many persons with weak lungs, commonly called "lung-protectors;" and it consists in so constructing the same that it may be easily retained in place; that one size will, by means of elastic fastenings, fit persons of different sizes, and so that it will also take the place of and be used as an undervest.

Figure 1 is a perspective view of my device taken from the side provided with fastenings. Fig. 2 is a similar view taken from the opposite side.

Like letters refer to like parts in each figure.

In the accompanying drawings, A represents the front, and B the back, cut from buck or other suitably-prepared skin, the front being joined to the back at one shoulder by a seam, *a*, and upon the same side by means of elastic bands *b*, while the opposite side is provided with elastic straps *c* to engage with buttons *d*, and the shoulder-pieces are provided with elastic loops and buttons *e*, to secure the garment

on the wearer. To the back piece, and at its lower end, is secured in any convenient way, the belt C provided with a suitable buckle to secure said belt around the body. This belt is provided with a loop, *h*, through which it is suspended, and this loop is in turn secured to the lower end of the front piece A by means of an elastic loop and button, *k*, and this belt secures the whole garment in place. The whole garment is lined with flannel.

The chest-protectors ordinarily used are made to be suspended from the neck in front of the chest, without backs, and with no way of securing them to the body. The back should be as much protected as the chest, and this device furnishes a perfect garment for that purpose.

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

As a new article of manufacture, the combined undervest and lung-protector, provided with front A, back B, and belt C, when the parts are constructed, arranged, and secured together, substantially as and for the purposes set forth.

MRS. JANE CULVER.

Witnesses:

R. B. ROBBINS,
C. B. JOHNSON.