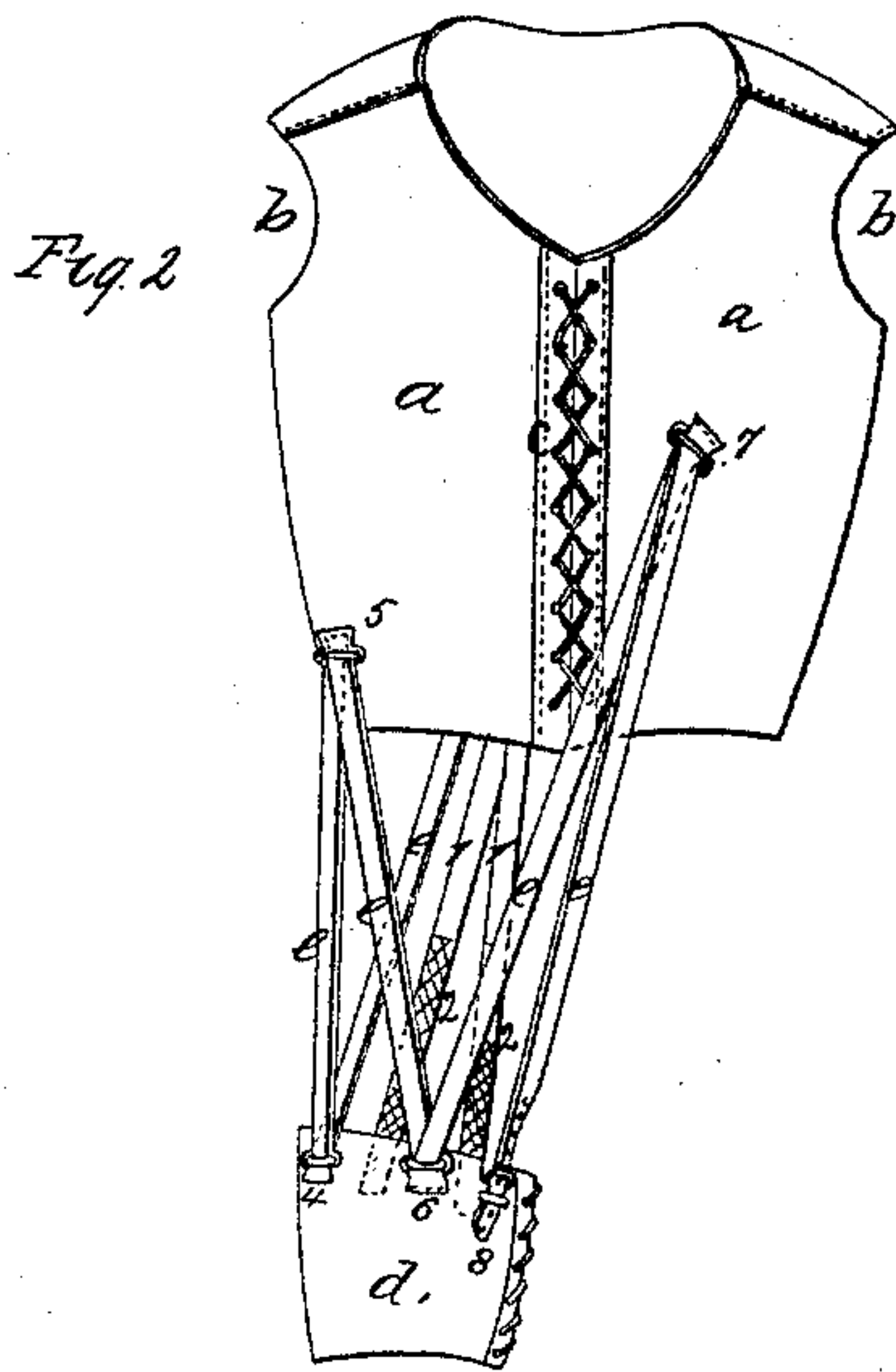
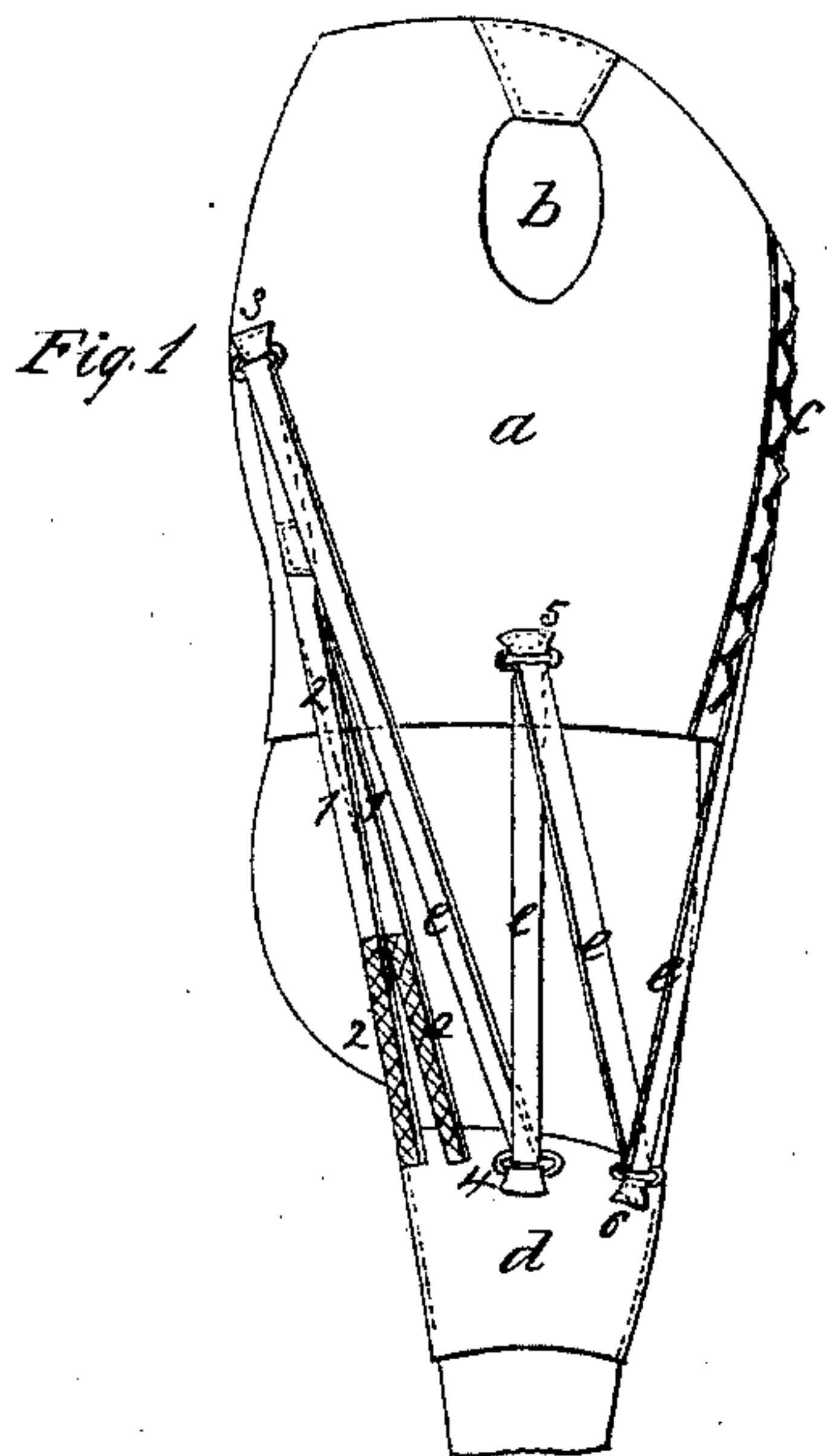
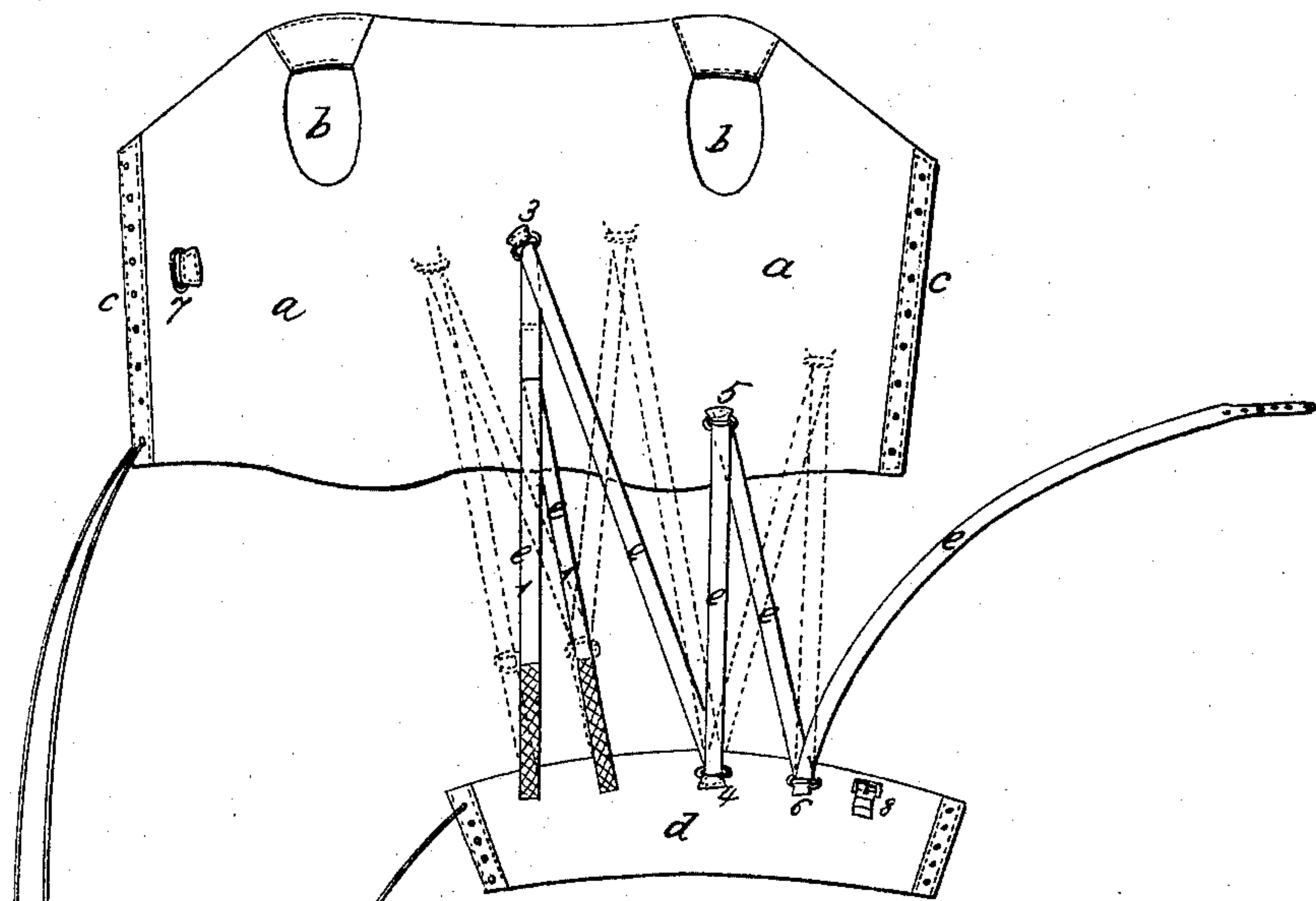


*J. W. Weston,*  
*Support for Artificial Leg.*  
*N<sup>o</sup> 45,662.                      Patented Dec. 27, 1864.*



*Fig. 3*



Witnesses

*Wm. F. Gray*

*L. W. Scrull*

Inventor

*J. W. Weston*

# UNITED STATES PATENT OFFICE.

JAMES W. WESTON, OF NEW YORK, N. Y.

## IMPROVEMENT IN SUPPORTERS FOR ARTIFICIAL LEGS.

Specification forming part of Letters Patent No. **45,662**, dated December 27, 1864.

*To all whom it may concern:*

Be it known that I, JAMES W. WESTON, of the city and State of New York, have invented, made, and applied to use a certain Improved Self-Adjusting Artificial-Leg Supporter; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a side view of said supporter. Fig. 2 is a front view of the same, and Fig. 3 represents the supporter as unlaced and opened out.

Similar marks of reference denote the same parts.

My invention consists in the combination of a vest with a series of straps passing to the leg or a band secured around said artificial leg, whereby the tension of the different straps or portions of the strap is rendered uniform, and the supporter becomes self-adjusting, the entire weight of the artificial limb being supported from the shoulders. At the same time the movements of the body are unobstructed.

In the drawings, *a* is a suitable vest, adapted to the size of the person wearing the artificial leg. *b b* are the arm-holes in the same, and *c* is a lacing which may be employed to unite the front edges of this vest and form thereby a corset or body-brace of the vest itself.

*d* is a band to be laced firmly around the upper part of the artificial limb, and carrying rings or attachments for the straps that pass to the vest *a*, or said rings or attachments might be made upon the leg itself, if desired. I make use of the strap *e* that is passed alter-

nately up and down and through rings or buckles on the vest and band alternately. This strap *e* commences with a double portion at 1 1, in which are elastic portions 2 2. Thence said strap passes through an eye, ring, or buckle, 3, on *a*, thence through the ring 4 on *d*, and up again through 5 on *a*, and, descending, passes through 6, on *d*. These parts can always remain with the strap *e* passed through the various eyes or rings to the ring 6, as in Fig. 3. However, after the vest *a* has been put on the strap *e* is to be passed through the ring 7 and drawn up with the required force and buckled at 8.

The strap *e* might be led in the direction indicated by the dotted line to cause the pull thereof to be more in the direction of the shoulder-pieces of the vest *a*, if desired; and where this supporter is used with an artificial limb that is short, or is only applied to the lower limb, the band *d* is to extend to such artificial limb, or any other suitable connection may be provided from the straps *e* to said artificial limb.

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

The vest *a*, connected to and combined with the artificial leg by means of the strap *e*, passed up and down through rings or eyes on the respective parts, so as to support the leg and produce a self-adjustment, as specified.

In witness whereof I have hereunto set my signature this 11th day of November, 1864.

J. W. WESTON.

Witnesses:

JOHN F. GRAY,

LEMUEL W. SERRELL.